```
{
	"patcher" :	{
		"fileversion" : 1,
		"appversion" :		{
			"major" : 6,
			"minor" : 1,
			"revision" : 8,
			"architecture" : "x86"
		}
,
		"rect" : [ 140.0, 49.0, 844.0, 265.0 ],
		"bgcolor" : [ 0.137686, 1.0, 0.288788, 1.0 ],
		"bglocked" : 0,
		"openinpresentation" : 0,
		"default_fontsize" : 12.0,
		"default_fontface" : 0,
		"default_fontname" : "Arial",
		"gridonopen" : 0,
		"gridsize" : [ 15.0, 15.0 ],
		"gridsnaponopen" : 0,
		"statusbarvisible" : 2,
		"toolbarvisible" : 1,
		"boxanimatetime" : 200,
		"imprint" : 0,
		"enablehscroll" : 1,
		"enablevscroll" : 1,
		"devicewidth" : 0.0,
		"description" : "",
		"digest" : "",
		"tags" : "",
		"boxes" : [		{
				"box" :			{
					"fontname" : "Arial",
					"fontsize" : 12.0,
					"frgb" : 0.0,
					"id" : "obj-21",
					"maxclass" : "comment",
					"numinlets" : 1,
					"numoutlets" : 0,
					"patching_rect" : [ 83.0, 197.0, 150.0, 20.0 ],
					"presentation" : 1,
					"presentation_rect" : [ 59.0, 185.5, 97.0, 20.0 ],
					"text" : "Choose midi out"
				}

			}
,			{
				"box" :			{
					"fontname" : "Arial",
					"fontsize" : 12.0,
```

```
                        "frgb" : 0.0,
                        "id" : "obj-4",
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 40.0, 88.0, 150.0, 20.0 ],
                        "presentation" : 1,
                        "presentation_rect" : [ 59.0, 73.0, 96.0, 20.0 ],
                        "text" : "Choose midi in:"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "frgb" : 0.0,
                        "id" : "obj-6",
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 737.0, 508.0, 150.0, 20.0 ],
                        "text" : "looping?"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "frgb" : 0.0,
                        "id" : "obj-49",
                        "linecount" : 2,
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 48.5, 37.0, 150.0, 33.0 ],
                        "presentation" : 1,
                        "presentation_linecount" : 2,
                        "presentation_rect" : [ 170.5, 122.0, 150.0, 33.0 ],
                        "text" : "Sometimes the midi stream rotates, watch
out"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "frgb" : 0.0,
```

```
                        "id" : "obj-47",
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 155.0, 456.5, 150.0, 20.0 ],
                        "text" : "0 - 127 / korte til lange cut"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-45",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 171.0, 201.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "frgb" : 0.0,
                        "id" : "obj-43",
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 593.0, 437.0, 105.0, 20.0 ],
                        "text" : "0 127 / 0 12 avvik"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "frgb" : 0.0,
                        "id" : "obj-38",
                        "maxclass" : "comment",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 347.5, 437.0, 39.0, 20.0 ],
                        "text" : "dial 2"
                    }

                }
```

```
,                       {
                                "box" :                                 {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "frgb" : 0.0,
                                        "id" : "obj-33",
                                        "maxclass" : "comment",
                                        "numinlets" : 1,
                                        "numoutlets" : 0,
                                        "patching_rect" : [ 155.0, 430.5, 42.0, 20.0 ],
                                        "text" : "Dial 1"
                                }

                        }
,                       {
                                "box" :                                 {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "frgb" : 0.0,
                                        "id" : "obj-24",
                                        "maxclass" : "comment",
                                        "numinlets" : 1,
                                        "numoutlets" : 0,
                                        "patching_rect" : [ 593.0, 409.0, 39.0, 20.0 ],
                                        "text" : "dial 3"
                                }

                        }
,                       {
                                "box" :                                 {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "frgb" : 0.0,
                                        "id" : "obj-16",
                                        "linecount" : 2,
                                        "maxclass" : "comment",
                                        "numinlets" : 1,
                                        "numoutlets" : 0,
                                        "patching_rect" : [ 347.5, 403.0, 150.0, 33.0 ],
                                        "text" : "0 - 49 korte, 50 - 70 straight, 71 - 127
lengre"
                                }

                        }
,                       {
                                "box" :                                 {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-37",
                                        "maxclass" : "newobj",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 538.0, 409.5, 45.0, 20.0 ],
                        "text" : "s pitch"
                    }

                }
,               {
                    "box" :                     {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 284.5, 403.0, 63.0, 20.0 ],
                        "text" : "s duration"
                    }

                }
,               {
                    "box" :                     {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-34",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 300.5, 120.0, 47.0, 20.0 ],
                        "text" : "zl rot 2"
                    }

                }
,               {
                    "box" :                     {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-32",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 796.0, 427.5, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,               {
                    "box" :                     {
```

```
                        "id" : "obj-30",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 779.0, 320.5, 20.0, 20.0 ]
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-28",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 737.0, 280.5, 131.0, 20.0 ],
                        "text" : "r start_cutup_playback"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-27",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 877.0, 309.5, 34.0, 20.0 ],
                        "text" : "t b 0"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-26",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 898.0, 416.5, 32.5, 20.0 ],
                        "text" : "+"
                    }
```

```
                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-25",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 767.0, 391.5, 50.0, 20.0 ]
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-23",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 767.0, 365.5, 87.0, 20.0 ],
                                "text" : "r relative_zero"
                        }

                }
,               {
                        "box" :                                 {
                                "id" : "obj-18",
                                "maxclass" : "button",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "bang" ],
                                "patching_rect" : [ 720.5, 141.0, 50.0, 50.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 334.0, 149.0, 50.0, 50.0 ]
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-20",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
```

```
                                "patching_rect" : [ 720.5, 203.0, 133.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 334.0, 221.0, 133.0, 20.0 ],
                                "text" : "s start_cutup_playback"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-9",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 155.0, 403.0, 50.0, 20.0 ],
                                "text" : "s slices"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-7",
                                "maxclass" : "newobj",
                                "numinlets" : 4,
                                "numoutlets" : 4,
                                "outlettype" : [ "", "", "", "" ],
                                "patching_rect" : [ 297.5, 298.0, 88.0, 20.0 ],
                                "text" : "route 71 74 84"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-88",
                                "maxclass" : "newobj",
                                "numinlets" : 7,
                                "numoutlets" : 7,
                                "outlettype" : [ "bang", "bang", "bang", "bang",
"bang", "bang", "" ],
                                "patching_rect" : [ 327.833344, 192.0, 126.0,
20.0 ],
                                "text" : "sel 50 45 51 49 36 38"
                            }

                        }
```

```
,                       {
                                "box" :                                 {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-87",
                                        "maxclass" : "newobj",
                                        "numinlets" : 1,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patcher" :                                             {
                                                "fileversion" : 1,
                                                "appversion" :
                        {
                                                        "major" : 6,
                                                        "minor" : 1,
                                                        "revision" : 8,
                                                        "architecture" : "x86"
                                                }
,
                                                "rect" : [ 29.0, 69.0, 1411.0, 658.0 ],
                                                "bglocked" : 0,
                                                "openinpresentation" : 0,
                                                "default_fontsize" : 12.0,
                                                "default_fontface" : 0,
                                                "default_fontname" : "Arial",
                                                "gridonopen" : 0,
                                                "gridsize" : [ 15.0, 15.0 ],
                                                "gridsnaponopen" : 0,
                                                "statusbarvisible" : 2,
                                                "toolbarvisible" : 1,
                                                "boxanimatetime" : 200,
                                                "imprint" : 0,
                                                "enablehscroll" : 1,
                                                "enablevscroll" : 1,
                                                "devicewidth" : 0.0,
                                                "description" : "",
                                                "digest" : "",
                                                "tags" : "",
                                                "boxes" : [
                        {
                                                                "box" :
                                                {
                                                                        "fontname" : "Arial",
                                                                        "fontsize" : 12.0,
                                                                        "id" : "obj-1",
                                                                        "maxclass" : "newobj",
                                                                        "numinlets" : 1,
                                                                        "numoutlets" : 1,
                                                                        "outlettype" : [ "" ],
                                                                        "patcher" :
```

```
{
	"fileversion" : 1,
	"appversion" :
	{
		"major" :
6,
		"minor" :
1,
		"revision"
: 8,
		"architect
ure" : "x86"
	}
,
	"rect" : [ 54.0,
94.0, 952.0, 760.0 ],
	"bglocked" : 0,
	"openinpresentat
ion" : 0,
	"default_fontsize
" : 12.0,
	"default_fontface
" : 0,
	"default_fontnam
e" : "Arial",
	"gridonopen" : 0,
	"gridsize" :
[ 15.0, 15.0 ],
	"gridsnaponopen
" : 0,
	"statusbarvisible"
: 2,
	"toolbarvisible" :
1,
	"boxanimatetime
" : 200,
	"imprint" : 0,
	"enablehscroll" :
1,
	"enablevscroll" :
1,
	"devicewidth" :
0.0,
	"description" : "",
	"digest" : "",
	"tags" : "",
	"boxes" : [
	{
		"bo
x" :
		{
```

```
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-109",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
```

```
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
```

```
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-100",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-97",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                    "text" : "split 0 49"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
```

```
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
```

```
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-83", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
```

```
                                }


                        }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
```

```
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-71",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "float" ],
            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
            "text" : "+ 1."
        }
    }
,
    {
        "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
```

```
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
```

```
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
```

```
                "text" : "/ 1000."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
```

```
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }
        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                                "text" : "* 0."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
```

```
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
```

```
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-23", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-24", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-43", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-30", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-31", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-64", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                    }

                }
```

```
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                        }
                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
```

}

}
, {
"bo
x" : {

"comment" : "",

"id" : "obj-62",

"maxclass" : "outlet",

"numinlets" : 1,

"numoutlets" : 0,

"patching_rect" : [182.5, 674.0, 25.0, 25.0]
}

}
],
"lines" : [
{
"pa
tchline" :
{

"destination" : ["obj-16", 0],

"disabled" : 0,

"hidden" : 0,

"source" : ["obj-109", 0]
}

}
, {
"pa
tchline" :
{

"destination" : ["obj-35", 0],

"disabled" : 0,

"hidden" : 0,

"source" : ["obj-109", 0]

```
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                }
            }
,           {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
```

```
            "hidden" : 0,
            "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-18", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-27", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 857.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
```

```
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-2",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
" : 0,
                                                "default_fontnam
```

e" : "Arial",

"gridonopen" : 0,
"gridsize" :

[15.0, 15.0],

"gridsnaponopen

" : 0,

"statusbarvisible"

: 2,

"toolbarvisible" :

1,

"boxanimatetime

" : 200,

"imprint" : 0,
"enablehscroll" :

1,

"enablevscroll" :

1,

"devicewidth" :

0.0,

"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
"bo
{

x" :

"fontname" : "Arial",

"fontsize" : 12.0,

"id" : "obj-109",

"maxclass" : "newobj",

"numinlets" : 1,

"numoutlets" : 1,

"outlettype" : ["int"],

"patcher" :
{

"fileversion" : 1,

"appversion" :
{

"major" : 6,

```
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                {
```

```
                "box" :
                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-95",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }
                }
,
                {
                    "box" :
                        {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                    "text" : "-"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                                "text" : "t 0"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-76",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
```

```
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
            }

        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-97", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-100", 0 ]
            }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-12", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                                    "destination" : [ "obj-95", 1 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 1 ]
                                }

                        }
,
                        {
                                "patchline" :
                                                                        {
                                    "destination" : [ "obj-95", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }

                        }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
```

```
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                            {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
                    "architecture" : "x86"
```

```
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
                "tags" : "",
                "boxes" : [
                                        {
                        "box" :
                                                                {
                                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
```

```
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-43",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                    "text" : "/ 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-42",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
```

```
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-17",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                    "text" : "scale 71. 127. 0. 0.5"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-14",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
```

```
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
            }
        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-14", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-22", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-14", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-56", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-14", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-36", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-69", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-68", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-67", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-69", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-48", 0 ],
                    "disabled" : 0,
```

```
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                }
            }
,           {
                "box" : {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
```

```
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "int" ],
            "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
            "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-28",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "", "" ],
            "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
            "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-27",
            "maxclass" : "newobj",
            "numinlets" : 1,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-41", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-52", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-47", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-18", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-61", 0 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                }
                                                            }
 ]
                                                        }
,
                                                        "patching_rect" :
[ 842.0, 273.0, 43.0, 20.0 ],
                                                        "saved_object_attribute
s" :                                                    {
                                                            "default_fontface
" : 0,
                                                            "default_fontnam
e" : "Arial",
                                                            "default_fontsize
" : 12.0,
                                                            "description" : "",
                                                            "digest" : "",
                                                            "fontface" : 0,
                                                            "fontname" :
"Arial",
                                                            "fontsize" : 12.0,
                                                            "globalpatcherna
me" : "",
                                                            "tags" : ""
                                                        }
,
                                                        "text" : "p play"
                                                    }
                                                }
                                                {
,                                                   "box" :
                                {
                                                        "fontname" : "Arial",
                                                        "fontsize" : 12.0,
                                                        "id" : "obj-3",
                                                        "maxclass" : "newobj",
                                                        "numinlets" : 1,
                                                        "numoutlets" : 1,
```

```
                                                                "outlettype" : [ "" ],
                                                                "patcher" :
                                                    {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                            "major" :
6,
                                                                            "minor" :
1,
                                                                            "revision"
: 8,
                                                                            "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
0.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "tags" : "",
                                                                "boxes" : [
                                                                {
```

```
"box" : {
    "fontname" : "Arial",
    "fontsize" : 12.0,
    "id" : "obj-109",
    "maxclass" : "newobj",
    "numinlets" : 1,
    "numoutlets" : 1,
    "outlettype" : [ "int" ],
    "patcher" : {
        "fileversion" : 1,
        "appversion" : {
            "major" : 6,
            "minor" : 1,
            "revision" : 8,
            "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
```

```
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
```

```
                    "maxclass" : "toggle",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                                "text" : "scale 50 127 1 12"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
```

```
                "text" : "t 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
```

```
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                            {
                                "patchline" :
                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                    }
    ,
                    {
                                "patchline" :
                                        {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }

                    }
    ,
                    {
                                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-87", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-80", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-82", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                    "source" : [ "obj-97", 0 ]

                                }


                            }
    ]

        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
"id" : "obj-74",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
```

```
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                                "text" : "* 0."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
```

```
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                    }
    ],
                "lines" : [
                            {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }
                    }
    ,
                    {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }
                    }
    ,
                    {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-60", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-60", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-63", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-68", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                }
```

```
                    }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
```

```
                }
            }
        ,   {
                "bo
        x" :    {
            "id" : "obj-37",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                }
            }
        ,   {
                "bo
        x" :    {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-34",
            "maxclass" : "message",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
            "text" : "set $1"
                }
            }
        ,   {
                "bo
        x" :    {
            "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
```

```
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 0 ]
                                                                            }
                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                            }
                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                            }
                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
            "destination" : [ "obj-20", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-28", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-26", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-26", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

            "source" : [ "obj-27", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-26", 0 ],

            "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-47", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

            "destination" : [ "obj-18", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

            "destination" : [ "obj-27", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]                                                          }

,                                                           "patching_rect" :
[ 806.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
```

```
                                                "default_fontsize
" : 12.0,
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-4",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
```

" : 0,

"default_fontnam

e" : "Arial",

"gridonopen" : 0,
"gridsize" :

[15.0, 15.0],

"gridsnaponopen

" : 0,

"statusbarvisible"

: 2,

"toolbarvisible" :

1,

"boxanimatetime

" : 200,

"imprint" : 0,
"enablehscroll" :

1,

"enablevscroll" :

1,

"devicewidth" :

0.0,

"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{

"bo

x" :

{

"fontname" : "Arial",

"fontsize" : 12.0,

"id" : "obj-109",

"maxclass" : "newobj",

"numinlets" : 1,

"numoutlets" : 1,

"outlettype" : ["int"],

"patcher" :

{

"fileversion" : 1,

"appversion" :

{

```
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
```

```
"boxes" : [
                {
        "box" :
                {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "bang" ],
            "parameter_enable" : 0,
            "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
        }

    }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
```

```
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                    "text" : "t 0"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
```

```
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                                "text" : "split 0 49"
                            }
                    }
,
                    {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-12",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                                "text" : "r pitch"
                            }
                    }
,
                    {
                            "box" :
                                                    {
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
```

```
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                        }
],
                "lines" : [
                                    {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-106", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-83", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-107", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-76", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 0 ]
                    }

                }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
```

```
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
```

```
            "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
        "toolbarvisible" : 1,
        "boxanimatetime" : 200,
        "imprint" : 0,
        "enablehscroll" : 1,
        "enablevscroll" : 1,
        "devicewidth" : 0.0,
        "description" : "",
        "digest" : "",
        "tags" : "",
        "boxes" : [
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                    {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-65",
                            "maxclass" : "newobj",
                            "numinlets" : 2,
                            "numoutlets" : 1,
                            "outlettype" : [ "float" ],
                            "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                            "text" : "* 1000."
                        }

                    }
,
                    {
                        "box" :
                                                    {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-66",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
```

```
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                                "text" : "t 1"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
```

```
                        "text" : "* 0."

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
```

```
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                        }
    ],
                "lines" : [
                        {
                            "patchline" :
                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-24", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-42", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-71", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-43", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
```

```
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                            "patchline" :
                                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
```

```
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],

        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
            "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-61",
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-62",
            "maxclass" : "outlet",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
```

"lines" : [
{
"pa
tchline" :
{
"destination" : ["obj-16", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-109", 0]
}
}
,
{
"pa
tchline" :
{
"destination" : ["obj-35", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-109", 0]
}
}
,
{
"pa
tchline" :
{
"destination" : ["obj-62", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-16", 0]
}
}
,
{
"pa
tchline" :
{

```
            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
            "destination" : [ "obj-37", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-32", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-34", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-28", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-21", 0 ],
            "disabled" : 0,
            "hidden" : 0,
```

```
        "source" : [ "obj-37", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                                    }

                                                                                }
```

,
tchline" :
{
"destination" : ["obj-27", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-74", 0]
]
,
[791.0, 273.0, 43.0, 20.0],
s" :
" : 0,
e" : "Arial",
" : 12.0,
"Arial",
me" : "",
,
,
{
{
"pa
}
}
}
"patching_rect" :
"saved_object_attribute
{
"default_fontface
"default_fontnam
"default_fontsize
"description" : "",
"digest" : "",
"fontface" : 0,
"fontname" :
"fontsize" : 12.0,
"globalpatcherna
"tags" : ""
}
"text" : "p play"
}
}
{
"box" :
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-5",
"maxclass" : "newobj",

```
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "" ],
"patcher" :
{
        "fileversion" : 1,
        "appversion" :
        {
                "major" :
6,
                "minor" :
1,
                "revision"
: 8,
                "architect
ure" : "x86"
        }
,
        "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
        "bglocked" : 0,
        "openinpresentat
ion" : 0,
        "default_fontsize
" : 12.0,
        "default_fontface
" : 0,
        "default_fontnam
e" : "Arial",
        "gridonopen" : 0,
        "gridsize" :
[ 15.0, 15.0 ],
        "gridsnaponopen
" : 0,
        "statusbarvisible"
: 2,
        "toolbarvisible" :
1,
        "boxanimatetime
" : 200,
        "imprint" : 0,
        "enablehscroll" :
1,
        "enablevscroll" :
1,
        "devicewidth" :
0.0,
        "description" : "",
        "digest" : "",
        "tags" : "",
```

```
                                                                "boxes" : [
                                                                {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
                "fileversion" : 1,
                "appversion" :
                                        {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
```

```
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                    "text" : "random"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                    "id" : "obj-87",
                    "maxclass" : "toggle",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }
            }
,
            {
                "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                    "text" : "-"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-80",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                    "text" : "decide"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                                "text" : "scale 50 127 1 12"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
```

```
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                    }
    ],
                "lines" : [
                            {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }
                    }
    ,
                    {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }
                    }
    ,
                    {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-89", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-95", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-97", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 0 ],
                    "disabled" : 0,
```

```
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }
                            }
    ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "globalpatchername" : "",
            "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
"fontsize" : 12.0,
"id" : "obj-74",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
```

```
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-64",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                            }

                    }
,
                    {
                            "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-66",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                                "text" : "print"
                            }

                    }
,
                    {
                            "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-67",
                                "maxclass" : "flonum",
```

```
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-48",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-43",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
```

```
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-19",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                    "text" : "* 0."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-17",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                    "text" : "r duration"
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-72",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-73",
```

```
                                    "maxclass" : "outlet",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                                }

                        }
    ],
                "lines" : [
                                {
                                "patchline" :
                                                {
                                    "destination" : [ "obj-14", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-11", 0 ]
                                }

                        }
    ,
                        {
                                "patchline" :
                                                {
                                    "destination" : [ "obj-22", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-14", 0 ]
                                }

                        }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-22", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-30", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-23", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-23", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-58", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
```

```
                                }


                        }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
```

```
        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
```

```
            "outlettype" : [ "" ],

            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

            "comment" : "",

            "id" : "obj-62",

            "maxclass" : "outlet",

            "numinlets" : 1,

            "numoutlets" : 0,

            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                        "lines" : [
                                                                        {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],

            "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-26", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-26", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
        "source" : [ "obj-27", 1 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-26", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-52", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-18", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-27", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 750.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
```

```
                                "default_fontnam
e" : "Arial",
                                "default_fontsize
" : 12.0,
                                "description" : "",
                                "digest" : "",
                                "fontface" : 0,
                                "fontname" :
"Arial",
                                "fontsize" : 12.0,
                                "globalpatcherna
me" : "",
                                "tags" : ""
                            }
,
                            "text" : "p play"
                        }

                    }
,                   {
                        "box" :
                {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-6",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
                            "numoutlets" : 1,
                            "outlettype" : [ "" ],
                            "patcher" :
                    {
                                "fileversion" : 1,
                                "appversion" :
                                {
                                    "major" :
6,
                                    "minor" :
1,
                                    "revision"
: 8,
                                    "architect
ure" : "x86"
                                }
,
                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                "bglocked" : 0,
                                "openinpresentat
ion" : 0,
                                "default_fontsize
```

```
" : 12.0,
                                                                    "default_fontface
" : 0,
                                                                    "default_fontnam
e" : "Arial",

                                                                    "gridonopen" : 0,
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,

                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
```

```
                "appversion" :
                                        {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
```

```
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "bang" ],
            "parameter_enable" : 0,
            "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
        }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-80",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                                "text" : "decide"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
```

```
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-107",
```

```
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
            }

        }
 ],
        "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-97", 0 ],
                "disabled" : 0,
                "hidden" : 0,
```

```
                "source" : [ "obj-100", 0 ]

            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-87", 0 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-83", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-88", 0 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-80", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
```

```
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
```

```
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                    "major" : 6,
                    "minor" : 1,
```

```
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                                {
                    "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-71",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                    "text" : "+ 1."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-60",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-56",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                    "text" : "split 71 127"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
```

```
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-36",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
```

```
                    "fontsize" : 12.0,
                    "id" : "obj-31",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                    "text" : "print"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-30",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                                "text" : "t 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
```

```
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                        }
    ],
            "lines" : [
                        {
                            "patchline" :
                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-66", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-63", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-67", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                            "patchline" :
                                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
```

```
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
```

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
```

```
                }
 ],
                "lines" : [
                {
                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                    }
                }
,               {
                    "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                    }
                }
,               {
                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                    }
                }
,               {
                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-74", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-20", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-28", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-26", 0 ]
```

```
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-34", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }
```

```
                                                                }
                                                                {
,                                                                       "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                        }

                                                                }
 ]
                                                        }
,
                                                        "patching_rect" :
[ 735.0, 273.0, 43.0, 20.0 ],
                                                        "saved_object_attribute
s" :                                                    {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                        }
,
                                                        "text" : "p play"
                                                }

                                        }
,                                       {
                                                "box" :
                                {
                                                        "fontname" : "Arial",
                                                        "fontsize" : 12.0,
```

```
                                                                "id" : "obj-7",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 1,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patcher" :
                                                        {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                        "major" :
6,
                                                                        "minor" :
1,
                                                                        "revision"
: 8,
                                                                        "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
0.0,
                                                                "description" : "",
```

```
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                                "bo
x" :                                                                            {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-109",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                    {

            "fileversion" : 1,

            "appversion" :
                                        {

                "major" : 6,

                "minor" : 1,

                "revision" : 8,

                "architecture" : "x86"

            }
,

            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

            "bglocked" : 0,

            "openinpresentation" : 0,

            "default_fontsize" : 12.0,

            "default_fontface" : 0,
```

```
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                        {
        "box" :
                                {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-100",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
```

```
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                    "text" : "scale 50 127 1 12"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                    "text" : "r pitch"
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-107",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-108",
```

```
                                    "maxclass" : "outlet",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                                }

                        }
    ],
                "lines" : [
                                {
                                "patchline" :
                                                {
                                    "destination" : [ "obj-97", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-100", 0 ]
                                }

                        }
    ,
                        {
                                "patchline" :
                                                {
                                    "destination" : [ "obj-100", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-106", 0 ]
                                }

                        }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-79", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-78", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 0 ],
```

```
                                    "disabled" : 0,

                                    "hidden" : 0,

                                    "source" : [ "obj-97", 0 ]

                                }


                        }
    ]

        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],

        "saved_object_attributes" :
                                            {

                "default_fontface" : 0,

                "default_fontname" : "Arial",

                "default_fontsize" : 12.0,

                "description" : "",

                "digest" : "",

                "fontface" : 0,

                "fontname" : "Arial",

                "fontsize" : 12.0,

                "globalpatchername" : "",

                "tags" : ""

        }
,
        "text" : "p pitch drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
```

```
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-74",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
```

```
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-60",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
```

```
                "text" : "/ 1000."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
```

```
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-56",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                                "text" : "split 71 127"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-36",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-31",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                    "text" : "print"
                }

            }
,
            {
                "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-23",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                                "text" : "random 0"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
```

```
                        "text" : "t 1"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
```

```
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                            {
                                "patchline" :
                                        {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                        }
    ,
                        {
                                "patchline" :
                                        {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-17", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-58", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-65", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                    "source" : [ "obj-72", 0 ]

                                }


                            }
    ]

        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-41",
            "maxclass" : "newobj",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
            "id" : "obj-28",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "", "" ],
            "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
            "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-27",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "bang", "int" ],
            "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
            "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-26",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
```

```
            "numoutlets" : 1,

            "outlettype" : [ "" ],

            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

            "comment" : "",

            "id" : "obj-62",

            "maxclass" : "outlet",

            "numinlets" : 1,

            "numoutlets" : 0,

            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-26", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-26", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
        "source" : [ "obj-27", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-47", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-37", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-32", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-34", 0 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-28", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-35", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-21", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-37", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-41", 0 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 699.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
```

```
                                "default_fontface
" : 0,
                                "default_fontnam
e" : "Arial",
                                "default_fontsize
" : 12.0,
                                "description" : "",
                                "digest" : "",
                                "fontface" : 0,
                                "fontname" :
"Arial",
                                "fontsize" : 12.0,
                                "globalpatcherna
me" : "",
                                "tags" : ""
                            }
,
                            "text" : "p play"
                        }

                    }
,                   {
                        "box" :
                {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-8",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
                            "numoutlets" : 1,
                            "outlettype" : [ "" ],
                            "patcher" :
                    {
                                "fileversion" : 1,
                                "appversion" :
                                {
                                    "major" :
6,
                                    "minor" :
1,
                                    "revision"
: 8,
                                    "architect
ure" : "x86"
                                }
,
                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                "bglocked" : 0,
                                "openinpresentat
```

```
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
```

```
"fileversion" : 1,
"appversion" :
                                {
        "major" : 6,
        "minor" : 1,
        "revision" : 8,
        "architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
```

```
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-97",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-80",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                                "text" : "decide"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
```

```
                                    "id" : "obj-107",
                                    "maxclass" : "inlet",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "int" ],
                                    "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                                }
                            }
,
                            {
                                "box" :
                                                                {
                                    "comment" : "",
                                    "id" : "obj-108",
                                    "maxclass" : "outlet",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                                }
                            }
],
                "lines" : [
                                        {
                                "patchline" :
                                                                {
                                    "destination" : [ "obj-97", 0 ],
                                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-100", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }
        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-83", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
```

```
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                            {
                    "major" : 6,
```

```
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-71",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                        "text" : "+ 1."
                }
        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-63",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                    "text" : "/ 1000."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-64",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-55",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-48",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
```

```
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-22",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                    "text" : "t 1"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-19",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                                "comment" : "",
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                        }
],
            "lines" : [
                        {
                            "patchline" :
                                {
                                "destination" : [ "obj-14", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-43", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-30", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-31", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-36", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-42", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                    }

                }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
```

```
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                        }
                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-20",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
```

```
                }

            }
 ],
                "lines" : [
                {
                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                }

            }
,           {
                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                }

            }
,           {
                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                }

            }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
            "destination" : [ "obj-16", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-74", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 2 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-20", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-21", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
            "destination" : [ "obj-28", 0 ],
            "disabled" : 0,
            "hidden" : 0,
```

```
        "source" : [ "obj-26", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-28", 0 ]
                }

            }
,           {
                "patchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                }

            }
,           {
                "patchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                }

            }
,           {
                "patchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                }

            }
,           {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-34", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-37", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-41", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-52", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-47", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-18", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-61", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                                }

                                                                            }
 ]
                                                                    }
,                                                                   "patching_rect" :
[ 684.0, 273.0, 43.0, 20.0 ],
                                                                    "saved_object_attribute
s" :                                                                {
                                                                        "default_fontface
" : 0,
                                                                        "default_fontnam
e" : "Arial",
                                                                        "default_fontsize
" : 12.0,
                                                                        "description" : "",
                                                                        "digest" : "",
                                                                        "fontface" : 0,
                                                                        "fontname" :
"Arial",
                                                                        "fontsize" : 12.0,
                                                                        "globalpatcherna
me" : "",
                                                                        "tags" : ""
                                                                    }
,
                                                                    "text" : "p play"
                                                                }

                                                            }
                                                            {
,                                                               "box" :
                                        {
```

```
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-10",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 1,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patcher" :
                                                        {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                        "major" :
6,
                                                                        "minor" :
1,
                                                                        "revision"
: 8,
                                                                        "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
```

```
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
```

```
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-100",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
```

```
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }
        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                }
        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-82",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                                "text" : "-"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-80",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
```

```
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                    "text" : "r pitch"
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-107",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
```

```
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                            {
                                "patchline" :
                                                    {
                                    "destination" : [ "obj-97", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-100", 0 ]
                                }

                        }
    ,
                        {
                                "patchline" :
                                                    {
                                    "destination" : [ "obj-100", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-106", 0 ]
                                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-90", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-108", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                                    "destination" : [ "obj-95", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }

                            }
        ]
                }
,
                "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
                "saved_object_attributes" :
                                                {
                        "default_fontface" : 0,
                        "default_fontname" : "Arial",
                        "default_fontsize" : 12.0,
                        "description" : "",
                        "digest" : "",
                        "fontface" : 0,
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "globalpatchername" : "",
                        "tags" : ""
                }
,
                "text" : "p pitch drunk"
                                                                                        }

                                                                                    }
,                                                                                   {
```

```
"box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
```

```
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                {
                    "box" :
                                                        {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-71",
                            "maxclass" : "newobj",
                            "numinlets" : 2,
                            "numoutlets" : 1,
                            "outlettype" : [ "float" ],
                            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                            "text" : "+ 1."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-60",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-56",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                                "text" : "split 71 127"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-23",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                                "text" : "random 0"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                            {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-56", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-14", 1 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-36", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-17", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-55", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-67", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-69", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-48", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-71", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 0 ],
                    "disabled" : 0,
```

```
                                    "hidden" : 0,
                                    "source" : [ "obj-72", 0 ]
                                }
                            }
    ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "globalpatchername" : "",
            "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-20",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-18",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],

        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
```

```
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                }
            }
,           {
                "box" :
                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                }
            }
 ],
            "lines" : [
            {
                "patchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                }
            }
,           {
                "patchline" :
        {
```

```
            "destination" : [ "obj-35", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
```

```
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-16", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-29", 0 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-47", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-29", 1 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-37", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-32", 0 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
```

```
        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
```

, {
"pa
tchline" :
{
"destination" : ["obj-52", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-47", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-18", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-61", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-27", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-74", 0]
}
}
]
}
, "patching_rect" :
[645.0, 288.0, 43.0, 20.0],

```
                                                "saved_object_attribute
s" :                                            {
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "default_fontsize
" : 12.0,
                                                        "description" : "",
                                                        "digest" : "",
                                                        "fontface" : 0,
                                                        "fontname" :
"Arial",
                                                        "fontsize" : 12.0,
                                                        "globalpatcherna
me" : "",
                                                        "tags" : ""
                                                }
,
                                                        "text" : "p play"
                                        }

                                }
,                                       {
                                        "box" :
                        {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-11",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 1,
                                                "outlettype" : [ "" ],
                                                "patcher" :
                                {
                                                        "fileversion" : 1,
                                                        "appversion" :
                                                        {
                                                                "major" :
6,
                                                                "minor" :
1,
                                                                "revision"
: 8,
                                                                "architect
ure" : "x86"
                                                        }
,
                                                        "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
```

```
"bglocked" : 0,
"openinpresentat
ion" : 0,
"default_fontsize
" : 12.0,
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"gridonopen" : 0,
"gridsize" :
[ 15.0, 15.0 ],
"gridsnaponopen
" : 0,
"statusbarvisible"
: 2,
"toolbarvisible" :
1,
"boxanimatetime
" : 200,
"imprint" : 0,
"enablehscroll" :
1,
"enablevscroll" :
1,
"devicewidth" :
0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
x" :
        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-109",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
```

```
{
"fileversion" : 1,
"appversion" :
{
"major" : 6,
"minor" : 1,
"revision" : 8,
"architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
```

```
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                }
        }
,
        {
                "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-95",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                    "text" : "+"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-89",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                    "text" : "t i b"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }

                }
,
                {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-80",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                    "text" : "decide"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
```

```
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                    "text" : "split 0 49"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                    "text" : "r pitch"
                }
            }
,
            {
                "box" :
                    {
```

```
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                        }
    ],
            "lines" : [
                        {
                            "patchline" :
                                {
                                "destination" : [ "obj-97", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-100", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-82", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
```

```
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
```

```
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
```

```
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }

    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                                "text" : "scale 0. 49. 0.5 1."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-56",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
```

```
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-31",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                    "text" : "print"
                }
            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-30",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                }
            }
```

```
,
                        {
                                "box" :
                                                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-24",
                                        "maxclass" : "newobj",
                                        "numinlets" : 1,
                                        "numoutlets" : 2,
                                        "outlettype" : [ "bang", "int" ],
                                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                                        "text" : "t b i"
                                }

                        }
,
                        {
                                "box" :
                                                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-23",
                                        "maxclass" : "newobj",
                                        "numinlets" : 2,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "int" ],
                                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
```

```
                        "text" : "random 0"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
```

```
                                                {
                                    "comment" : "",
                                    "id" : "obj-72",
                                    "maxclass" : "inlet",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "int" ],
                                    "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                                }

                        }
,
                        {
                                "box" :
                                                {
                                    "comment" : "",
                                    "id" : "obj-73",
                                    "maxclass" : "outlet",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                                }

                        }
],
                "lines" : [
                                        {
                                "patchline" :
                                                {
```

```
                "destination" : [ "obj-14", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-60", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-63", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-68", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-64", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-64", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                }

        }
]
    }
,
    "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
    "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
```

```
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
```

```
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-18",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],

        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
```

```
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                }

                                                                        }
 ],
                                                                "lines" : [
                                                                {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
                                                                    {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
                                                                    {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
                                                                    {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-21", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-52", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-18", 0 ],

            "disabled" : 0,
```

```
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 630.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }
                                                    }
,                                                   {
```

```
                                                "box" :
                                        {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-12",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 1,
                                                "outlettype" : [ "" ],
                                                "patcher" :
                                        {
                                                        "fileversion" : 1,
                                                        "appversion" :
                                                        {
                                                                "major" :
6,
                                                                "minor" :
1,
                                                                "revision"
: 8,
                                                                "architect
ure" : "x86"
                                                        }
,
                                                        "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                        "bglocked" : 0,
                                                        "openinpresentat
ion" : 0,
                                                        "default_fontsize
" : 12.0,
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "gridonopen" : 0,
                                                        "gridsize" :
[ 15.0, 15.0 ],
                                                        "gridsnaponopen
" : 0,
                                                        "statusbarvisible"
: 2,
                                                        "toolbarvisible" :
1,
                                                        "boxanimatetime
" : 200,
                                                        "imprint" : 0,
                                                        "enablehscroll" :
1,
                                                        "enablevscroll" :
```

```
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
```

```
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                {
                    "box" :
                                                        {
                            "id" : "obj-106",
                            "maxclass" : "button",
                            "numinlets" : 1,
                            "numoutlets" : 1,
                            "outlettype" : [ "bang" ],
                            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-100",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-97",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                            }

                    }
,
                    {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                            }

                    }
,
                    {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
```

```
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                    "text" : "+"
                }

            }
,
            {
                "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "id" : "obj-87",
                                "maxclass" : "toggle",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-83",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 2,
                                "outlettype" : [ "", "" ],
                                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                                "text" : "gate 2 1"
                        }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-82",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                                "text" : "-"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-80",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-107",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                            {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-107", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-76", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-12", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-78", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                                {
                                        "destination" : [ "obj-95", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-97", 0 ]
                                    }

                                }
    ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
```

```
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                {
                    "box" :
                                                        {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-71",
                            "maxclass" : "newobj",
                            "numinlets" : 2,
                            "numoutlets" : 1,
                            "outlettype" : [ "float" ],
                            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                            "text" : "+ 1."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-60",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-63",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-65",
```

```
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-56",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                    "text" : "split 71 127"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-55",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                            }

                        }
,
                        {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                                "text" : "print"
                            }

                        }
,
                        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-23",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-22",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
```

```
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
```

```
                                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                                    {
                            "patchline" :
                                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-71", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-43", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-48", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-73", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-71", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 0 ],
```

```
                                    "disabled" : 0,

                                    "hidden" : 0,

                                    "source" : [ "obj-72", 0 ]

                                }


                            }
        ]

                }
        ,

                "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],

                "saved_object_attributes" :
                                                {

                        "default_fontface" : 0,

                        "default_fontname" : "Arial",

                        "default_fontsize" : 12.0,

                        "description" : "",

                        "digest" : "",

                        "fontface" : 0,

                        "fontname" : "Arial",

                        "fontsize" : 12.0,

                        "globalpatchername" : "",

                        "tags" : ""

                }
        ,

                "text" : "p duration_drunk"
                                                                                        }

                                                                                    }
        ,                                                                           {
                                                                                        "bo
        x" :                                                                            {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                        }
                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
            "fontsize" : 12.0,
            "id" : "obj-26",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
            "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-16",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
            "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-61",
```

```
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-62",
            "maxclass" : "outlet",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-16", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-74", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 2 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-20", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-21", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-28", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-26", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-26", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
            "source" : [ "obj-27", 1 ]
                }
            }
```

, {
"pa
tchline" :
{
"destination" : ["obj-26", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [243.0, 525.0, 243.0, 525.0],
"source" : ["obj-27", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-29", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-28", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-16", 1],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-29", 1]
}
}
, {
"pa
tchline" :

```
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-47", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                        }

                                                                    }
 ]
                                                                }
,
```

```
                                                "patching_rect" :
[ 594.0, 288.0, 43.0, 20.0 ],
                                                "saved_object_attribute
s" :                                            {
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "default_fontsize
" : 12.0,
                                                        "description" : "",
                                                        "digest" : "",
                                                        "fontface" : 0,
                                                        "fontname" :
"Arial",
                                                        "fontsize" : 12.0,
                                                        "globalpatcherna
me" : "",
                                                        "tags" : ""
                                                }
,
                                                        "text" : "p play"
                                                }

                                        }
                                        {
,                                               "box" :
                                {
                                                        "fontname" : "Arial",
                                                        "fontsize" : 12.0,
                                                        "id" : "obj-13",
                                                        "maxclass" : "newobj",
                                                        "numinlets" : 1,
                                                        "numoutlets" : 1,
                                                        "outlettype" : [ "" ],
                                                        "patcher" :
                                                {
                                                        "fileversion" : 1,
                                                        "appversion" :
                                                        {
                                                                "major" :
6,
                                                                "minor" :
1,
                                                                "revision"
: 8,
                                                                "architect
ure" : "x86"
                                                        }
,
```

```
94.0, 952.0, 760.0 ],

ion" : 0,

" : 12.0,

" : 0,

e" : "Arial",

[ 15.0, 15.0 ],

" : 0,

: 2,

1,

" : 200,

1,

1,

0.0,

x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],

"rect" : [ 54.0,

"bglocked" : 0,
"openinpresentat

"default_fontsize

"default_fontface

"default_fontnam

"gridonopen" : 0,
"gridsize" :

"gridsnaponopen

"statusbarvisible"

"toolbarvisible" :

"boxanimatetime

"imprint" : 0,
"enablehscroll" :

"enablevscroll" :

"devicewidth" :

"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
```

```
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
        "toolbarvisible" : 1,
        "boxanimatetime" : 200,
        "imprint" : 0,
        "enablehscroll" : 1,
        "enablevscroll" : 1,
```

```
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                }

        }
,
        {
                "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-83",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 2,
                                "outlettype" : [ "", "" ],
                                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                                "text" : "gate 2 1"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-82",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
```

```
                "text" : "-"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                    "text" : "split 0 49"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                    "text" : "r pitch"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                    }

                }
 ],
            "lines" : [
                                    {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-97", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-100", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-80", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-97", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-97", 0 ]
                }

            }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                    {
```

```
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
```

```
                "appversion" :
                                        {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
```

```
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
```

```
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                                "text" : "scale 0. 49. 0.5 1."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-56",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
```

```
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-24",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-23",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                }

        }
],
        "lines" : [
                                {
                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-14", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-11", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-30", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-23", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-23", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-24", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-23", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                        }

                }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
```

```
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
```

```
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
```

```
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                        }
                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-28",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
```

```
        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                    "lines" : [
                                                                    {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-16", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 0 ]
                }

            }
,           {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-28", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-47", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-37", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-32", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-34", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-28", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-35", 0 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 579.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }
```

```
                                                    }
,                                                   {
                                                            "box" :
                                        {
                                                                    "fontname" : "Arial",
                                                                    "fontsize" : 12.0,
                                                                    "id" : "obj-14",
                                                                    "maxclass" : "newobj",
                                                                    "numinlets" : 1,
                                                                    "numoutlets" : 1,
                                                                    "outlettype" : [ "" ],
                                                                    "patcher" :
                                                    {
                                                                            "fileversion" : 1,
                                                                            "appversion" :
                                                                            {
                                                                                    "major" :
6,
                                                                                    "minor" :
1,
                                                                                    "revision"
: 8,
                                                                                    "architect
ure" : "x86"
                                                                            }
,
                                                                            "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                            "bglocked" : 0,
                                                                            "openinpresentat
ion" : 0,
                                                                            "default_fontsize
" : 12.0,
                                                                            "default_fontface
" : 0,
                                                                            "default_fontnam
e" : "Arial",
                                                                            "gridonopen" : 0,
                                                                            "gridsize" :
[ 15.0, 15.0 ],
                                                                            "gridsnaponopen
" : 0,
                                                                            "statusbarvisible"
: 2,
                                                                            "toolbarvisible" :
1,
                                                                            "boxanimatetime
" : 200,
                                                                            "imprint" : 0,
                                                                            "enablehscroll" :
```

```
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                                "bo
x" :                                                                            {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                    {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
```

```
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
```

```
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                    "text" : "+"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "id" : "obj-87",
                                "maxclass" : "toggle",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-83",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 2,
                                "outlettype" : [ "", "" ],
                                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                                "text" : "gate 2 1"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                    "text" : "-"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-80",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-107",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
```

```
                                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                                    {
                            "patchline" :
                                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-88", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-80", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 1 ]
            }

        }
,
        {
```

```
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
        ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
```

```
                                                                                }

                                                                            }
,                                                                           {
                                                                                "bo
x" :                                                                            {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-74",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                    {

            "fileversion" : 1,

            "appversion" :
                                        {

                "major" : 6,

                "minor" : 1,

                "revision" : 8,

                "architecture" : "x86"

            }
,

            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

            "bglocked" : 0,

            "openinpresentation" : 0,

            "default_fontsize" : 12.0,

            "default_fontface" : 0,
```

```
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                    {
        "box" :
                                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-71",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "float" ],
            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
```

```
                "text" : "+ 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }

            }
,
            {
                "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-69",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                                "text" : "random 0"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
```

```
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-43",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                    "text" : "/ 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-42",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-30",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-24",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
```

```
                "text" : "t b i"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
```

```
                "box" :
                                {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                }

        }
],
        "lines" : [
                        {
                "patchline" :
                                {
                        "destination" : [ "obj-14", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-11", 0 ]
                }

        }
,
        {
                "patchline" :
                                {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-63", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-67", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-68", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                                    "destination" : [ "obj-19", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-72", 0 ]
                                }

                            }
        ]
    }
,
    "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
    "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "globalpatchername" : "",
            "tags" : ""
    }
,
    "text" : "p duration_drunk"
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-52",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],

        "text" : "s next_note"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",
```

```
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
```

```
        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],

        "text" : "zl reg"
```

```
                }
            }
,           {
                "box" :
                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                }
            }
,           {
                "box" :
                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                }
```

```
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
                                                                                    }

                                                                                }
,                                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-28",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-27",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "bang", "int" ],

        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],

        "text" : "t b i"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
```

```
            "id" : "obj-61",
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-62",
            "maxclass" : "outlet",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-16", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
            "destination" : [ "obj-34", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-18", 0 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-109", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 0 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-16", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 1 ]
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-74", 0 ],
            "disabled" : 0,
            "hidden" : 0,
```

```
        "source" : [ "obj-20", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-34", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-28", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-35", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-37", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]
```

```
                                                    }
,
                                                    "patching_rect" :
[ 538.0, 288.0, 43.0, 20.0 ],
                                                    "saved_object_attribute
s" :                                                {
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "default_fontsize
" : 12.0,
                                                        "description" : "",
                                                        "digest" : "",
                                                        "fontface" : 0,
                                                        "fontname" :
"Arial",
                                                        "fontsize" : 12.0,
                                                        "globalpatcherna
me" : "",
                                                        "tags" : ""
                                                    }
,
                                                    "text" : "p play"
                                                }

                                            }
,                                           {
                                                "box" :
                                    {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-15",
                                                    "maxclass" : "newobj",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 1,
                                                    "outlettype" : [ "" ],
                                                    "patcher" :
                                            {
                                                        "fileversion" : 1,
                                                        "appversion" :
                                                        {
                                                            "major" :
6,
                                                            "minor" :
1,
                                                            "revision"
: 8,
                                                            "architect
ure" : "x86"
```

```
,
94.0, 952.0, 760.0 ],

ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",

[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,

1,
1,
0.0,




x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
}
"rect" : [ 54.0,
"bglocked" : 0,
"openinpresentat
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
```

```
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
```

```
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
```

```
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-88",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                                "text" : "+ 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "id" : "obj-87",
                                "maxclass" : "toggle",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                        }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-83",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 2,
                                "outlettype" : [ "", "" ],
                                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                                "text" : "gate 2 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-82",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                }

        }
],
        "lines" : [
                                {
                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-97", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-100", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-106", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-78", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-79", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-87", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                    "destination" : [ "obj-90", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 0 ]
                }

            }
,
            {
                "patchline" :
                    {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-87", 0 ]
                }

            }
,
            {
                "patchline" :
                    {
                    "destination" : [ "obj-83", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-88", 0 ]
                }

            }
,
            {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                "source" : [ "obj-95", 0 ]
                            }

                        }
,
                        {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                            }

                        }
,
                        {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                            }

                        }
    ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
```

```
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
```

```
"fileversion" : 1,
"appversion" :
                                {
        "major" : 6,
        "minor" : 1,
        "revision" : 8,
        "architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
```

```
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
```

```
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
```

```
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-56",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
```

```
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                                "text" : "print"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-30",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-24",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-23",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                        }

                }
 ],
                "lines" : [
                                        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-14", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-11", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-58", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-65", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-58", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                    "destination" : [ "obj-64", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-66", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-63", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-67", 0 ]
                }

            }
,
            {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
```

```
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
```

```
        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-20",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-27",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "bang", "int" ],

        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],

        "text" : "t b i"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-26",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],

        "text" : "delay"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
```

```
            "numinlets" : 1,

            "numoutlets" : 0,

            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                    "lines" : [
                                                                    {
                                                                                "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
            {

            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
            "destination" : [ "obj-29", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-47", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
    {

    "destination" : [ "obj-37", 0 ],

    "disabled" : 0,

    "hidden" : 0,

    "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
    {

    "destination" : [ "obj-32", 0 ],

    "disabled" : 0,

    "hidden" : 0,

    "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
    {

    "destination" : [ "obj-28", 1 ],

    "disabled" : 0,

    "hidden" : 0,

    "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
```

```
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]                                                          }

,                                                           "patching_rect" :
[ 523.0, 273.0, 43.0, 20.0 ],

s" :                                                        "saved_object_attribute
                                                            {
" : 0,                                                          "default_fontface

e" : "Arial",                                                   "default_fontnam

" : 12.0,                                                       "default_fontsize

                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",

                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",

                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
```

```
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-16",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                    "major" :
6,
                                                                    "minor" :
1,
                                                                    "revision"
: 8,
                                                                    "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
```

```
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
```

```
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
```

```
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
```

```
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                    "text" : "random"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                }
        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "id" : "obj-87",
                    "maxclass" : "toggle",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
```

```
                        "text" : "gate 2 1"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                    "text" : "t 0"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                    "text" : "split 0 49"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
```

```
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                }

        }
],
        "lines" : [
                                {
                "patchline" :
                                                {
                        "destination" : [ "obj-97", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-100", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
```

```
,
                        {
                                "patchline" :
                                                                {
                                        "destination" : [ "obj-95", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-97", 0 ]
                                }

                        }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
```

```
        "text" : "p pitch drunk"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-74",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                    {

            "fileversion" : 1,

            "appversion" :
                                        {

                "major" : 6,

                "minor" : 1,

                "revision" : 8,

                "architecture" : "x86"

            }
,

            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

            "bglocked" : 0,

            "openinpresentation" : 0,

            "default_fontsize" : 12.0,
```

```
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
```

```
                        "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                        "text" : "+ 1."
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-69",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                                "text" : "random 0"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
```

```
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-48",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
```

```
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                            }
                    }
,
                    {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-42",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                            }
                    }
,
                    {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-30",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-24",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
```

```
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                }
        }
,
        {
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }
        }
```

```
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                        }

                }
],
                "lines" : [
                                        {
                        "patchline" :
                                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-31", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-36", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-42", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-36", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-24", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-71", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                                {
                                        "destination" : [ "obj-19", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-72", 0 ]
                                    }

                                }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
```

```
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
```

```
        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-20",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-18",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],

        "text" : "zl slice 1"
```

```
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                        }
                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-26",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],

        "text" : "delay"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
```

```
        "source" : [ "obj-27", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                    }
```

```
                                                                    }
 ]
                                                                }
,
                                                                "patching_rect" :
[ 487.0, 288.0, 43.0, 20.0 ],
                                                                "saved_object_attribute
s" :                                                            {
                                                                    "default_fontface
" : 0,
                                                                    "default_fontnam
e" : "Arial",
                                                                    "default_fontsize
" : 12.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "fontface" : 0,
                                                                    "fontname" :
"Arial",
                                                                    "fontsize" : 12.0,
                                                                    "globalpatcherna
me" : "",
                                                                    "tags" : ""
                                                                }
,
                                                                    "text" : "p play"
                                                            }
                                                        }
,                                                       {
                                    {                       "box" :
                                                                {
                                                                    "fontname" : "Arial",
                                                                    "fontsize" : 12.0,
                                                                    "id" : "obj-17",
                                                                    "maxclass" : "newobj",
                                                                    "numinlets" : 1,
                                                                    "numoutlets" : 1,
                                                                    "outlettype" : [ "" ],
                                                                    "patcher" :
                                                        {
                                                                    "fileversion" : 1,
                                                                    "appversion" :
                                                                    {
                                                                        "major" :
6,
                                                                        "minor" :
1,
                                                                        "revision"
: 8,
```

```
                                                                    "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
0.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "tags" : "",
                                                                "boxes" : [
                                                                {
                                                                        "bo
                                                                        {
x" :
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-109",
            "maxclass" : "newobj",
            "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
```

```
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                    "text" : "random"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-88",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                                "text" : "+ 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "id" : "obj-87",
                                "maxclass" : "toggle",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                        }

                }
 ],
                "lines" : [
                                        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-97", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-100", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-106", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-90", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-108", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-92", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-89", 0 ],
                    "disabled" : 0,
```

```
                                    "hidden" : 0,
                                    "source" : [ "obj-95", 0 ]
                                }

                        }
,
                        {
                                "patchline" :
                                                                {
                                    "destination" : [ "obj-95", 1 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 1 ]
                                }

                        }
,
                        {
                                "patchline" :
                                                                {
                                    "destination" : [ "obj-95", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }

                        }
 ]

        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
```

```
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }

                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
```

```
{
"fileversion" : 1,
"appversion" :
{
"major" : 6,
"minor" : 1,
"revision" : 8,
"architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
```

```
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-64",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }
            }
,
            {
                "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }
            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-68",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-69",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
```

```
                "text" : "random 0"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                                "text" : "print"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-30",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                        }

                }
 ],
```

```
"lines" : [
                {
        "patchline" :
                        {
            "destination" : [ "obj-14", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-11", 0 ]
        }

    }
,
    {
        "patchline" :
                        {
            "destination" : [ "obj-22", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-14", 0 ]
        }

    }
,
    {
        "patchline" :
                        {
            "destination" : [ "obj-56", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-14", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-36", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-17", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-55", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-19", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }
        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-48", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-71", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-72", 0 ]
                }

            }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                    {
```

```
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                                    }

                                                                                }
,                                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                                   {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],

        "text" : "r play_time"
                                                                    }

                                                                }
,                                                                   {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
```

```
        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-18",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],

        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
```

```
                }
            }
,           {
                "bo
x" :            {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                }
            }
,           {
                "bo
x" :            {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",
```

```
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                }
                                                            }
,                                                           {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                }
                                                            }
,                                                           {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-16", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 1 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-74", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 2 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-20", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-21", 0 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-29", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-28", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-47", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 472.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
```

```
,
                                                    "text" : "p play"
                                                }

                                            }
,                                           {
                                                "box" :
                                    {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-72",
                                                    "maxclass" : "newobj",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 1,
                                                    "outlettype" : [ "" ],
                                                    "patcher" :
                                            {
                                                        "fileversion" : 1,
                                                        "appversion" :
                                                        {
                                                            "major" :
6,
                                                            "minor" :
1,
                                                            "revision"
: 8,
                                                            "architect
ure" : "x86"
                                                        }
,
                                                        "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                        "bglocked" : 0,
                                                        "openinpresentat
ion" : 0,
                                                        "default_fontsize
" : 12.0,
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "gridonopen" : 0,
                                                        "gridsize" :
[ 15.0, 15.0 ],
                                                        "gridsnaponopen
" : 0,
                                                        "statusbarvisible"
: 2,
                                                        "toolbarvisible" :
1,
```

```
                                                                                "boxanimatetime
" : 200,
                                                                                "imprint" : 0,
                                                                                "enablehscroll" :
1,
                                                                                "enablevscroll" :
1,
                                                                                "devicewidth" :
0.0,
                                                                                "description" : "",
                                                                                "digest" : "",
                                                                                "tags" : "",
                                                                                "boxes" : [
                                                                                {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
```

```
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
```

```
                    "numoutlets" : 1,
                    "outlettype" : [ "bang" ],
                    "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-100",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-97",
```

```
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                            }
                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                            }
                    }
,
                    {
                        "box" :
                                                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-89",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                                "text" : "t i b"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-88",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
```

```
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
```

```
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                }
        }
,
        {
                "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                }
        }
```

```
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                        }

                }
],
                "lines" : [
                                        {
                        "patchline" :
                                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
```

```
        }
,
        "text" : "p pitch drunk"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-74",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                    {

            "fileversion" : 1,

            "appversion" :
                                        {

                "major" : 6,

                "minor" : 1,

                "revision" : 8,

                "architecture" : "x86"

            }
,

            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

            "bglocked" : 0,

            "openinpresentation" : 0,
```

```
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                {
                    "box" :
                                                        {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-71",
                            "maxclass" : "newobj",
                            "numinlets" : 2,
                            "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                        "text" : "+ 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
```

```
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                                "text" : "print"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-30",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-24",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                    "text" : "t 1"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-19",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                    "text" : "* 0."
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-11",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                                "text" : "r duration"
                        }

                }
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                        }
```

```
                }
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                        }

                }
 ],
        "lines" : [
                                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
```

```
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-68", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-64", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-64", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-66", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }
        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-71", 0 ]
            }

        }
,
        {
```

```
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                        }

                }
        ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                }
            }
,           {
                "box" : {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
```

```
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
```

```
        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-35",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],

        "text" : "$1 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-109", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                }

            }
,           {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-20", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-28", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-26", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-26", 1 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
```

```
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-47", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                }
            }
,           {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
```

```
                                                                    }

                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 435.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-73",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                    {
                                                            "fileversion" : 1,
                                                            "appversion" :
                                                            {
                                                                "major" :
6,
                                                                "minor" :
1,
```

```
: 8,
ure" : "x86"
,
94.0, 952.0, 760.0 ],
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "revision"
        "architect
}
"rect" : [ 54.0,
"bglocked" : 0,
"openinpresentat
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
```

```
		"numinlets" : 1,
		"numoutlets" : 1,
		"outlettype" : [ "int" ],
		"patcher" :
			{
				"fileversion" : 1,
				"appversion" :
					{
						"major" : 6,
						"minor" : 1,
						"revision" : 8,
						"architecture" : "x86"
				}
,
				"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
				"bglocked" : 0,
				"openinpresentation" : 0,
				"default_fontsize" : 12.0,
				"default_fontface" : 0,
				"default_fontname" : "Arial",
				"gridonopen" : 0,
				"gridsize" : [ 15.0, 15.0 ],
				"gridsnaponopen" : 0,
				"statusbarvisible" : 2,
				"toolbarvisible" : 1,
				"boxanimatetime" : 200,
```

```
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-88",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                    "text" : "+ 1"
                }

            }
,
            {
                "box" :
                                                {
                    "id" : "obj-87",
                    "maxclass" : "toggle",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                    "text" : "scale 50 127 1 12"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                    "text" : "t 0"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                        }

                }
 ],
```

```
"lines" : [
                {
        "patchline" :
                        {
            "destination" : [ "obj-97", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-100", 0 ]
        }

    }
,
    {
        "patchline" :
                        {
            "destination" : [ "obj-100", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-106", 0 ]
        }

    }
,
    {
        "patchline" :
                        {
            "destination" : [ "obj-83", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-107", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-76", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-12", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-78", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-79", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 0 ]
                    }

                }
 ]

        }
,
```

```
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }
                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
```

```
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
        "toolbarvisible" : 1,
        "boxanimatetime" : 200,
        "imprint" : 0,
        "enablehscroll" : 1,
        "enablevscroll" : 1,
```

```
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }

    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-68",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-69",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-31",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                    "text" : "print"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-30",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
```

```
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-22",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                    "text" : "t 1"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-72",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-73",
                    "maxclass" : "outlet",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                }

            }
```

```
],
                "lines" : [
                                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-48", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-73", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-55", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-17", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                "source" : [ "obj-69", 0 ]

                            }

                        }
,
                        {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                        }
,
                        {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                        }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
```

```
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
```

```
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
```

```
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
```

```
        "text" : "$1 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-29",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "int", "int" ],

        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],

        "text" : "unpack 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-28",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],

        "text" : "zl reg"
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "comment" : "",
```

```
        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                    "lines" : [
                                                                    {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
        {
```

```
            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
```

, {
"pa
tchline" :
{
"destination" : ["obj-28", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-26", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-26", 1],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [256.5, 525.0, 263.0, 525.0],
"source" : ["obj-27", 1]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-26", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [243.0, 525.0, 243.0, 525.0],
"source" : ["obj-27", 0]
}
}
, {

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-29", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-28", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-47", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-37", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-32", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-34", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-28", 1 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 420.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
```

```
                                                    "tags" : ""
                                                }
,
                                                "text" : "p play"
                                            }

                                        }
,                                       {
                                            "box" :
                                    {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-74",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 1,
                                                "outlettype" : [ "" ],
                                                "patcher" :
                                    {
                                                    "fileversion" : 1,
                                                    "appversion" :
                                                    {
                                                        "major" :
6,
                                                        "minor" :
1,
                                                        "revision"
: 8,
                                                        "architect
ure" : "x86"
                                                    }
,
                                                    "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                    "bglocked" : 0,
                                                    "openinpresentat
ion" : 0,
                                                    "default_fontsize
" : 12.0,
                                                    "default_fontface
" : 0,
                                                    "default_fontnam
e" : "Arial",
                                                    "gridonopen" : 0,
                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                    "gridsnaponopen
" : 0,
                                                    "statusbarvisible"
: 2,
```

```
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
```

```
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
                "tags" : "",
                "boxes" : [
                                        {
                        "box" :
                                                                {
                                "id" : "obj-106",
                                "maxclass" : "button",
```

```
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-89",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                                "text" : "t i b"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-88",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
```

```
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-12",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                                "text" : "r pitch"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                        }
```

```
                }
,
                {
                        "box" :
                                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                        }

                }
],
        "lines" : [
                                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
```

```
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-106", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
```

```
                        }

                    }
,
                    {
                        "patchline" :
                                                    {
                            "destination" : [ "obj-95", 0 ],
                            "disabled" : 0,
                            "hidden" : 0,
                            "source" : [ "obj-97", 0 ]
                        }

                    }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "globalpatchername" : "",
```

```
                "tags" : ""

        }
,
        "text" : "p pitch drunk"
                                                                                }

                                                                        }
,                                                                       {
                                                                                "bo
x" :                                                                            {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-74",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                        {

                "fileversion" : 1,

                "appversion" :
                                                {

                        "major" : 6,

                        "minor" : 1,

                        "revision" : 8,

                        "architecture" : "x86"

                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

                "bglocked" : 0,
```

```
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-71",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                        "text" : "+ 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }

            }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-67",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-68",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
```

```
                "text" : "t b i"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-55",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-48",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
```

```
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
```

```
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-22",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                    "text" : "t 1"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-19",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                    "text" : "* 0."
                }

            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-11",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                                "text" : "r duration"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-72",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-73",
                    "maxclass" : "outlet",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                }

            }
],
        "lines" : [
                            {
                "patchline" :
                                                {
                    "destination" : [ "obj-14", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-11", 0 ]
                }

            }
,
            {
                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-23", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-24", 1 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-23", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-24", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-43", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
```

```
        "text" : "p duration_drunk"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-52",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],

        "text" : "s next_note"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
```

```
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
```

```
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
```

```
        "text" : "unpack 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-28",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-27",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "bang", "int" ],

        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],

        "text" : "t b i"
```

```
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-26",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],

        "text" : "delay"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
```

```
                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                        }

                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                        }

                                                                                    }
 ],
                                                                                "lines" : [
                                                                                {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
```

```
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-32", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-41", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {
            "destination" : [ "obj-52", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-47", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {
            "destination" : [ "obj-18", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-61", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {
            "destination" : [ "obj-27", 0 ],
            "disabled" : 0,
            "hidden" : 0,
```

```
        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 384.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-75",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                    {
                                                            "fileversion" : 1,
                                                            "appversion" :
                                                            {
                                                                "major" :
6,
```

1,

: 8,

ure" : "x86"

,

94.0, 952.0, 760.0],

ion" : 0,

" : 12.0,

" : 0,

e" : "Arial",

[15.0, 15.0],

" : 0,

: 2,

1,

" : 200,

1,

1,

0.0,

x" :

"fontname" : "Arial",

"fontsize" : 12.0,

"id" : "obj-109",

"minor" :

"revision"

"architect

}

"rect" : [54.0,

"bglocked" : 0,
"openinpresentat

"default_fontsize

"default_fontface

"default_fontnam

"gridonopen" : 0,
"gridsize" :

"gridsnaponopen

"statusbarvisible"

"toolbarvisible" :

"boxanimatetime

"imprint" : 0,
"enablehscroll" :

"enablevscroll" :

"devicewidth" :

"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{

"bo
{

```
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
{
"fileversion" : 1,
"appversion" :
{
"major" : 6,
"minor" : 1,
"revision" : 8,
"architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
```

```
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
```

```
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-97",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
,
            {
                "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-90",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                                "text" : "+"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-89",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
```

```
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-107",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-108",
                    "maxclass" : "outlet",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                }

            }
```

```
],
                "lines" : [
                                        {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-80", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 0 ]
            }

        }
]
```

```
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }
                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
```

```
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
```

```
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                            }

                        }
,
                        {
                            "box" :
                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                            }

                        }
,
                        {
                            "box" :
                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-66",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                                "text" : "print"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-67",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-42",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
```

```
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
```

```
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-14",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                                "text" : "split 50 70"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-11",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
```

```
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
            }
```

```
                }
    ],
                "lines" : [
                                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                        }

                }
    ,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                        }

                }
    ,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-68", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-68", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-67", 0 ],
                    "disabled" : 0,
```

```
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                            }

                    }
,
                    {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
```

```
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                        }

                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
```

```
                }
            }
,           {
                "box" : {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                }
            }
,           {
                "box" : {
        "id" : "obj-37",
```

```
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
```

```
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
```

```
        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-27",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 2,

        "outlettype" : [ "bang", "int" ],

        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],

        "text" : "t b i"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-26",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],

        "text" : "delay"
```

```
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
            "comment" : "",

            "id" : "obj-62",

            "maxclass" : "outlet",

            "numinlets" : 1,

            "numoutlets" : 0,

            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
                                                                                "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                }

                                                                                }
,                                                                               {
                                                                                "pa
tchline" :
```

```
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }
```

```
,
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]

,
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]

 ]
,
[ 369.0, 273.0, 43.0, 20.0 ],
s" :
" : 0,
e" : "Arial",
" : 12.0,


"Arial",
                }
                {
                        "pa

                        }

                }
                {
                        "pa

                        }

                }
}
"patching_rect" :
"saved_object_attribute
{
        "default_fontface
        "default_fontnam
        "default_fontsize
        "description" : "",
        "digest" : "",
        "fontface" : 0,
        "fontname" :
        "fontsize" : 12.0,
```

```
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-76",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
" : 0,
                                                "default_fontnam
e" : "Arial",
                                                "gridonopen" : 0,
                                                "gridsize" :
[ 15.0, 15.0 ],
                                                "gridsnaponopen
" : 0,
```

```
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
```

```
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
                "tags" : "",
                "boxes" : [
                                        {
                        "box" :
                                                                {
                                "id" : "obj-106",
```

```
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-89",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                    "text" : "t i b"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-88",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }
                }
,
                {
                    "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-80",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                    "text" : "decide"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                    "text" : "scale 50 127 1 12"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-12",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                                "text" : "r pitch"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-107",
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-108",
                    "maxclass" : "outlet",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                }

            }
 ],
        "lines" : [
                            {
                "patchline" :
                                                {
                    "destination" : [ "obj-97", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-100", 0 ]
                }

            }
,
            {
                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-106", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-79", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-87", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-80", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                    "source" : [ "obj-97", 1 ]

                                }


                            }
,
                            {
                                "patchline" :
                                                                    {
                                    "destination" : [ "obj-95", 0 ],

                                    "disabled" : 0,

                                    "hidden" : 0,

                                    "source" : [ "obj-97", 0 ]

                                }


                            }
]

        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],

        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,

            "default_fontname" : "Arial",

            "default_fontsize" : 12.0,

            "description" : "",

            "digest" : "",

            "fontface" : 0,

            "fontname" : "Arial",

            "fontsize" : 12.0,
```

```
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                            {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
                    "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
```

```
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-71",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-65",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-67",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-68",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
```

```
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
```

```
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-36",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-31",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
```

```
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-11",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                    "text" : "r duration"
                }

            }
,
            {
                "box" :
                                        {
                    "comment" : "",
                    "id" : "obj-72",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
```

```
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                        {
                            "comment" : "",
                            "id" : "obj-73",
                            "maxclass" : "outlet",
                            "numinlets" : 1,
                            "numoutlets" : 0,
                            "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                        }

                    }
],
            "lines" : [
                                {
                        "patchline" :
                                                        {
                            "destination" : [ "obj-14", 0 ],
                            "disabled" : 0,
                            "hidden" : 0,
                            "source" : [ "obj-11", 0 ]
                        }

                    }
,
                    {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-65", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-58", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-60", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-60", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
```

```
        }
,
        "text" : "p duration_drunk"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-52",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],

        "text" : "s next_note"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
```

```
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
```

```
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
```

```
        "text" : "t b i"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-26",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],

        "text" : "delay"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
```

```
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-34", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-18", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-109", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-16", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-20", 1 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 328.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }
                                                    }
,                                                   {
                                                        "box" :
                                {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-77",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                    {
                                                            "fileversion" : 1,
                                                            "appversion" :
                                                            {
```

```
6,
1,
: 8,
ure" : "x86"
,
94.0, 952.0, 760.0 ],
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
                "major" :
                "minor" :
                "revision"
                "architect
}
"rect" : [ 54.0,
"bglocked" : 0,
"openinpresentat
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
                "bo
                {
```

```
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
```

```
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
```

```
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                    "text" : "random"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-90",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                                "text" : "+"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-89",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
```

```
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
```

```
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-76",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                                "text" : "split 0 49"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-12",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
```

```
                "text" : "r pitch"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-107",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
            }
```

```
                }
        ],
                "lines" : [
                        {
                        "patchline" :
                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                                }

                }
        ,
                {
                        "patchline" :
                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                                }

                }
        ,
                {
                        "patchline" :
                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 0 ]
                    }

                }
```

```
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }
                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
```

```
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-71",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "float" ],
            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
            "text" : "+ 1."
        }
    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
```

```
                    "id" : "obj-60",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-63",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                    "text" : "/ 1000."
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-65",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-66",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                                "text" : "print"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-67",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
```

```
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-42",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-23",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-22",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                    "text" : "t 1"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-14",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                                "text" : "split 50 70"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-11",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
```

```
                        }

                    }
    ],
                "lines" : [
                                {
                        "patchline" :
                                                {
                            "destination" : [ "obj-14", 0 ],
                            "disabled" : 0,
                            "hidden" : 0,
                            "source" : [ "obj-11", 0 ]
                        }

                    }
    ,
                    {
                        "patchline" :
                                                {
                            "destination" : [ "obj-22", 0 ],
                            "disabled" : 0,
                            "hidden" : 0,
                            "source" : [ "obj-14", 0 ]
                        }

                    }
    ,
                    {
                        "patchline" :
                                                {
                            "destination" : [ "obj-56", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-42", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-36", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-24", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-42", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-71", 0 ],
                    "disabled" : 0,
```

```
                    "hidden" : 0,
                    "source" : [ "obj-43", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-48", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-73", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-55", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
```

```
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-71", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-72", 0 ]
            }

        }
]
    }
,
```

```
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                        }
                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
```

```
        "text" : "s next_note"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],

        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
```

```
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
```

```
        "text" : "delay"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-16",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],

        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-74", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-20", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-29", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-28", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-16", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-29", 1 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-16", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "source" : [ "obj-29", 0 ]
                }
            }
        ,   {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-35", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-37", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-41", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-52", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-47", 0 ]
```

```
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }


                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                    }


                                                                }
 ]                                                          }

,                                                           "patching_rect" :

[ 313.0, 273.0, 43.0, 20.0 ],

s" :                                                        "saved_object_attribute
                                                            {
" : 0,                                                          "default_fontface

e" : "Arial",                                                   "default_fontnam

" : 12.0,                                                       "default_fontsize

                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
```

```
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-78",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                    {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                    "major" :
6,
                                                                    "minor" :
1,
                                                                    "revision"
: 8,
                                                                    "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
```

```
                                                                                "gridsnaponopen
" : 0,
                                                                                "statusbarvisible"
: 2,
                                                                                "toolbarvisible" :
1,
                                                                                "boxanimatetime
" : 200,
                                                                                "imprint" : 0,
                                                                                "enablehscroll" :
1,
                                                                                "enablevscroll" :
1,
                                                                                "devicewidth" :
0.0,
                                                                                "description" : "",
                                                                                "digest" : "",
                                                                                "tags" : "",
                                                                                "boxes" : [
                                                                                {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
```

```
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                                {
                    "box" :
                                                {
```

```
                    "id" : "obj-106",
                    "maxclass" : "button",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "bang" ],
                    "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                }

            }
,
            {
                "box" :
                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-100",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-90",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
```

```
                "text" : "+"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                    "text" : "r pitch"
                }

            }
,
            {
                "box" :
                                                {
                    "comment" : "",
                    "id" : "obj-107",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
```

```
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                            }

                        }
,
                        {
                            "box" :
                                                                {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
],
                "lines" : [
                                    {
                            "patchline" :
                                                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                        }
,
                        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-106", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-78", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-108", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-92", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-89", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-95", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 1 ],
                    "disabled" : 0,
```

```
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                            }

                    }
,
                    {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                            {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
                    "architecture" : "x86"
                }
,
```

```
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                                    {
                "box" :
                                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-71",
```

```
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-66",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                                "text" : "print"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                                "text" : "t b i"
                            }

                    }
,
                    {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-69",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                                "text" : "random 0"
                            }

                    }
,
                    {
                            "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }

            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-56",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                    "text" : "split 71 127"
                }

            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-42",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                    {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-36",
                            "maxclass" : "newobj",
                            "numinlets" : 2,
                            "numoutlets" : 1,
                            "outlettype" : [ "float" ],
                            "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                            "text" : "* 1000."
                        }

                    }
,
                    {
                        "box" :
                                                    {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-31",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
```

```
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                                "text" : "scale 71. 127. 0. 0.5"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-14",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
```

```
                "text" : "split 50 70"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
```

```
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                    }
],
            "lines" : [
                                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                    }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-55", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-19", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-22", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-30", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-56", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-72", 0 ]
                }

            }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "globalpatchername" : "",
```

```
                "tags" : ""

        }
,
        "text" : "p duration_drunk"
                                                                }

                                                            }
,                                                           {
                                                                "bo
x" :                                                            {
        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-52",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],

        "text" : "s next_note"
                                                                }

                                                            }
,                                                           {
                                                                "bo
x" :                                                            {
        "id" : "obj-47",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                }

                                                            }
,                                                           {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],

        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",
```

```
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
```

```
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
```

```
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
```

```
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "comment" : "",

        "id" : "obj-61",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
                                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
```

```
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-47", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-37", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-32", 0 ]
                }

            }
,           {
                "patchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-34", 0 ]
                }

            }
,           {
                "patchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                }

            }
,           {
                "patchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                }

            }
,           {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 277.0, 288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p play"
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-79",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
                                                    {
                                                            "fileversion" : 1,
```

```
"appversion" :
{
        "major" :
6,
        "minor" :
1,
        "revision"
: 8,
        "architect
ure" : "x86"
}
,
"rect" : [ 54.0,
94.0, 952.0, 760.0 ],
"bglocked" : 0,
"openinpresentat
ion" : 0,
"default_fontsize
" : 12.0,
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"gridonopen" : 0,
"gridsize" :
[ 15.0, 15.0 ],
"gridsnaponopen
" : 0,
"statusbarvisible"
: 2,
"toolbarvisible" :
1,
"boxanimatetime
" : 200,
"imprint" : 0,
"enablehscroll" :
1,
"enablevscroll" :
1,
"devicewidth" :
0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
x" :
        {
                "fontname" : "Arial",
```

```
"fontsize" : 12.0,
"id" : "obj-109",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
{
"fileversion" : 1,
"appversion" :
{
"major" : 6,
"minor" : 1,
"revision" : 8,
"architecture" : "x86"
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
```

```
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-95",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                    "text" : "+"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-89",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                    "text" : "-"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-80",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                    "text" : "decide"
                }
            }
,
            {
                "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                    "text" : "scale 50 127 1 12"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                    "text" : "t 0"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-76",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                                "text" : "split 0 49"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-12",
                                "maxclass" : "newobj",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
```

```
                        }

                }
        ],
                "lines" : [
                                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                        }

                }
        ,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                        }

                }
        ,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-107", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-76", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-87", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }
        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-89", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-95", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-95", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 0 ]
                }
```

```
                    }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
```

```
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }
    }
,
    {
        "box" :
                        {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-65",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                    "text" : "print"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-67",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
```

```
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-42",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-36",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                }
        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-17",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-14",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                    "text" : "split 50 70"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-11",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
                        "numoutlets" : 0,
```

```
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
```

```
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-22", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-64", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-66", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-63", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-71", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-72", 0 ]
            }

        }
]
```

```
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                }
                                                                        }
,                                                                       {
                                                                                "bo
x" :                                                                            {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
```

```
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
```

```
"box" : {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
    }
},
{
    "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
    }
},
{
    "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
```

```
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
```

```
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
```

```
                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                        }
                                                                                    }
 ],
                                                                                "lines" : [
                                                                                {
                                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                                        }
                                                                                    }
                                                                                    {
,                                                                                       "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],
```

```
        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-29", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
            "destination" : [ "obj-28", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-21", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-52", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 262.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
```

```
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-68",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
" : 0,
                                                "default_fontnam
e" : "Arial",
                                                "gridonopen" : 0,
```

```
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
```

```
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                                {
                    "box" :
```

```
                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
```

```
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-95",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-90",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-79",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                "text" : "scale 50 127 1 12"
            }
        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                                "text" : "t 0"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-76",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
```

```
                        "text" : "split 0 49"

                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
```

```
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                            }
                    }
,
                    {
                        "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                    }
],
            "lines" : [
                                    {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }
                    }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-78", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-79", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 1 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-87", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
```

```
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                            }

                    }
,
                    {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                            {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
                    "architecture" : "x86"
                }
```

```
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
                "tags" : "",
                "boxes" : [
                                        {
                        "box" :
                                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
```

```
                    "id" : "obj-71",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                    "text" : "+ 1."
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-60",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-66",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
```

```
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
```

```
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
```

```
                    "id" : "obj-58",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                    "text" : "scale 0. 49. 0.5 1."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-56",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                    "text" : "split 71 127"
                }

            }
,
            {
                "box" :
```

```
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                    {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-42",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                    "id" : "obj-24",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-23",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                                "text" : "scale 71. 127. 0. 0.5"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-14",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
```

```
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
            }
        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-14", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
            }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
```

```
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
,
                {
                    "patchline" :
```

```
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-73", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-55", 0 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-17", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 0 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-58", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-66", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                "source" : [ "obj-71", 0 ]

                            }

                        }
,
                        {
                            "patchline" :
                                                                {
                                "destination" : [ "obj-19", 0 ],

                                "disabled" : 0,

                                "hidden" : 0,

                                "source" : [ "obj-72", 0 ]

                            }

                        }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],

        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,

            "default_fontname" : "Arial",

            "default_fontsize" : 12.0,

            "description" : "",

            "digest" : "",

            "fontface" : 0,

            "fontname" : "Arial",

            "fontsize" : 12.0,
```

```
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
```

```
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
```

```
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-26", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
        "source" : [ "obj-27", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-26", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],
        "source" : [ "obj-27", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-29", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-28", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
    ]
                                                            }
    ,
    [ 223.0, 288.0, 43.0, 20.0 ],
                                                            "patching_rect" :
    s" :
                                                            "saved_object_attribute
                                                            {
    " : 0,                                                      "default_fontface
    e" : "Arial",                                               "default_fontnam
    " : 12.0,                                                   "default_fontsize
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
    "Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
    me" : "",
                                                                "tags" : ""
                                                            }
    ,
                                                            "text" : "p play"
                                                        }
                                                    }
    ,                                               {
                                                        "box" :
                                        {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-69",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 1,
                                                            "outlettype" : [ "" ],
                                                            "patcher" :
```

```
{
	"fileversion" : 1,
	"appversion" :
	{
		"major" :
		6,
		"minor" :
		1,
		"revision"
		: 8,
		"architect
		ure" : "x86"
	}
	,
	"rect" : [ 54.0,
	94.0, 952.0, 760.0 ],
	"bglocked" : 0,
	"openinpresentat
	ion" : 0,
	"default_fontsize
	" : 12.0,
	"default_fontface
	" : 0,
	"default_fontnam
	e" : "Arial",
	"gridonopen" : 0,
	"gridsize" :
	[ 15.0, 15.0 ],
	"gridsnaponopen
	" : 0,
	"statusbarvisible"
	: 2,
	"toolbarvisible" :
	1,
	"boxanimatetime
	" : 200,
	"imprint" : 0,
	"enablehscroll" :
	1,
	"enablevscroll" :
	1,
	"devicewidth" :
	0.0,
	"description" : "",
	"digest" : "",
	"tags" : "",
	"boxes" : [
	{
		"bo
		x" :
		{
```

```
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-109",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
```

```
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }
    }
,
    {
        "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
```

```
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-78",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "int" ],
                    "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                    "text" : "split 0 49"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-12",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
```

```
                "outlettype" : [ "" ],
                "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                "text" : "r pitch"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-107",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
```

```
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                                    {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }

                        }
    ,
                        {
                            "patchline" :
                                                    {
```

```
                    "destination" : [ "obj-83", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-107", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-76", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-12", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-78", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 0 ]
                }

            }
,
            {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-79", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-87", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-80", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-83", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-83", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
```

```
                                }


                        }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
```

```
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }

    }
,
    {
        "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-63",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
```

```
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
```

```
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
```

```
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                                "text" : "random 0"
                            }

                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-58",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                                "text" : "scale 0. 49. 0.5 1."
                            }

                    }
,
                    {
                        "box" :
                                                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-55",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
```

```
                "text" : "/ 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
```

```
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-24",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-22",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                "text" : "t 1"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                                "text" : "* 0."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
```

```
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
```

```
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-24", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-23", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-24", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-43", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-30", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-31", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-17", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-60", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-64", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-63", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                    }

                }
```

```
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                                        }
                                                                                    }
,                                                                                   {
                                                                                        "bo
x" :                                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
```

```
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                        "lines" : [
                                                                        {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
```

```
                }
            }
        ,   {
                "patchline" :
                {
                "destination" : [ "obj-62", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-16", 0 ]
                }
            }
        ,   {
                "patchline" :
                {
                "destination" : [ "obj-21", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-18", 1 ]
                }
            }
        ,   {
                "patchline" :
                {
                "destination" : [ "obj-34", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-18", 0 ]
                }
            }
        ,   {
                "patch
```

```
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 208.0, 273.0, 43.0, 20.0 ],                               "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
```

```
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-70",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
" : 0,
                                                "default_fontnam
```

```
e" : "Arial",
                                                                    "gridonopen" : 0,
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                        {
                "major" : 6,
```

```
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                {
```

```
                "box" :
                                                {
                        "id" : "obj-106",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-95",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                        "text" : "random"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-90",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }
                }
,
                {
                    "box" :
                        {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-82",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                    "text" : "-"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                                "text" : "t 0"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-76",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
```

```
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
            }
        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-97", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-100", 0 ]
            }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-12", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-78", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-100", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-89", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                                    "destination" : [ "obj-95", 1 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 1 ]
                                }

                        }
,
                        {
                                "patchline" :
                                                                        {
                                    "destination" : [ "obj-95", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }

                        }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                            {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
```

```
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                        {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
                    "architecture" : "x86"
```

```
}
,
"rect" : [ 0.0, 0.0, 640.0, 480.0 ],
"bglocked" : 0,
"openinpresentation" : 0,
"default_fontsize" : 12.0,
"default_fontface" : 0,
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                {
            "fontname" : "Arial",
```

```
                        "fontsize" : 12.0,
                        "id" : "obj-71",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                        "text" : "+ 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-64",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                    "text" : "* 1000."
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-66",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
```

```
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-48",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-43",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                    "text" : "/ 1000."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-42",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                            }

                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-36",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                                "text" : "* 1000."
                            }

                    }
,
                    {
                        "box" :
                                                    {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-31",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-19",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                        "text" : "* 0."
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-17",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                    "text" : "scale 71. 127. 0. 0.5"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-14",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
```

```
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                                    {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                        }
],
            "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-22", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-14", 0 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-56", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-14", 1 ]
                }

            }
,
            {
                "patchline" :
                                {
                    "destination" : [ "obj-36", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-43", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-30", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-24", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-42", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-48", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-58", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-68", 1 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-68", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-67", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-69", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-48", 0 ],
                    "disabled" : 0,
```

```
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                        "patchline" :
                                                        {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
            "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
```

```
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                }
            }
,           {
                "box" : {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
```

```
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "int" ],
            "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
            "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-28",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "", "" ],
            "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
            "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-27",
            "maxclass" : "newobj",
            "numinlets" : 1,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
```

```
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                }
            }
,           {
                "pa
```

```
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                }
                                                            }
 ]
                                                    }
,
                                                    "patching_rect" :
[ 172.0, 288.0, 43.0, 20.0 ],
                                                    "saved_object_attribute
s" :                                                {
                                                        "default_fontface
" : 0,
                                                        "default_fontnam
e" : "Arial",
                                                        "default_fontsize
" : 12.0,
                                                        "description" : "",
                                                        "digest" : "",
                                                        "fontface" : 0,
                                                        "fontname" :
"Arial",
                                                        "fontsize" : 12.0,
                                                        "globalpatcherna
me" : "",
                                                        "tags" : ""
                                                    }
,
                                                    "text" : "p play"
                                                }
                                            }
                                            {
,                                               "box" :
                                                {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-71",
                                                    "maxclass" : "newobj",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 1,
```

```
                                                                "outlettype" : [ "" ],
                                                                "patcher" :
                                                        {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                        "major" :
6,
                                                                        "minor" :
1,
                                                                        "revision"
: 8,
                                                                        "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
0.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "tags" : "",
                                                                "boxes" : [
                                                                {
```

```
"box" : {
    "fontname" : "Arial",
    "fontsize" : 12.0,
    "id" : "obj-109",
    "maxclass" : "newobj",
    "numinlets" : 1,
    "numoutlets" : 1,
    "outlettype" : [ "int" ],
    "patcher" : {
        "fileversion" : 1,
        "appversion" : {
            "major" : 6,
            "minor" : 1,
            "revision" : 8,
            "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
```

```
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                    {
        "box" :
                                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
```

```
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-100",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-97",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                                "text" : "random"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-92",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
```

```
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                                "text" : "scale 50 127 1 12"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
```

```
                "text" : "t 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                "text" : "split 0 49"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-12",
                "maxclass" : "newobj",
                "numinlets" : 0,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
                        "numinlets" : 1,
```

```
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                            {
                                "patchline" :
                                                    {
                                    "destination" : [ "obj-97", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-100", 0 ]
                                }

                    }
    ,
                    {
                                "patchline" :
                                                    {
                                    "destination" : [ "obj-100", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-106", 0 ]
                                }

                    }
    ,
                    {
                                "patchline" :
```

```
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-79", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-87", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-80", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-92", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-82", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-82", 0 ],
                    "disabled" : 0,
```

```
                    "hidden" : 0,
                    "source" : [ "obj-83", 1 ]
                }
            }
,
            {
                "patchline" :
                    {
                    "destination" : [ "obj-90", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-83", 0 ]
                }
            }
,
            {
                "patchline" :
                    {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-87", 0 ]
                }
            }
,
            {
                "patchline" :
                    {
```

```
                "destination" : [ "obj-83", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-88", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-80", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-90", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-108", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-92", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-89", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-95", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                    "source" : [ "obj-97", 0 ]

                                }


                            }
    ]

        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                                {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
"id" : "obj-74",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [ "int" ],
"patcher" :
                {
        "fileversion" : 1,
        "appversion" :
                                        {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
```

```
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-71",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "float" ],
            "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
            "text" : "+ 1."
        }
    }
,
    {
        "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-65",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
```

```
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-68",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-43",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                "text" : "/ 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-42",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
```

```
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                                "text" : "* 0."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
```

```
                        "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                        "text" : "scale 71. 127. 0. 0.5"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-14",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-72",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-73",
                        "maxclass" : "outlet",
```

```
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                    }
    ],
                "lines" : [
                            {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }
                    }
    ,
                    {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }
                    }
    ,
                    {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-56", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-14", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-17", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-55", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-19", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-22", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-30", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-23", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-23", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-31", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-42", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-36", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-58", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-60", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-60", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-63", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-68", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-63", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-67", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-69", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-48", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-71", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-72", 0 ]
                }
```

```
                    }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-52",
        "maxclass" : "newobj",
```

```
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-41",
            "maxclass" : "newobj",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
            "text" : "r play_time"
```

```
                }
            }
,           {
                "box" : {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                }
            }
,           {
                "box" : {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
```

```
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "bo
x" :                                                                            {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                }

                                                                            }
 ],
                                                                    "lines" : [
                                                                    {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-34", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-18", 0 ]
                                                                                    }

                                                                                }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

            "destination" : [ "obj-18", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

            "destination" : [ "obj-27", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-74", 0 ]
                                                                    }

                                                                }
 ]                                                          }

,                                                           "patching_rect" :
[ 157.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
```

```
                                                "default_fontsize
" : 12.0,
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-65",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patcher" :
                                {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                    "major" :
6,
                                                    "minor" :
1,
                                                    "revision"
: 8,
                                                    "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
```

```
" : 0,
                                                                    "default_fontnam
e" : "Arial",
                                                                    "gridonopen" : 0,
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                                {
```

```
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
```

```
"boxes" : [
                {
        "box" :
                        {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                        {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "bang" ],
            "parameter_enable" : 0,
            "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
        }

    }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
```

```
                        "text" : "random"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-92",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-79",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                        "text" : "scale 50 127 1 12"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                    "text" : "t 0"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 3,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }

                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
```

```
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                                        {
                                "comment" : "",
                                "id" : "obj-108",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                        }
],
                "lines" : [
                                    {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-106", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-107", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-76", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-92", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-90", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-83", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-88", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-87", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-88", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-80", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-89", 1 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-89", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-95", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-95", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-97", 0 ]
                    }

                }
 ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
```

```
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                    "major" : 6,
                    "minor" : 1,
                    "revision" : 8,
```

```
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-60",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-65",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
```

```
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                        "text" : "t b i"
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-69",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                        "text" : "random 0"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-56",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                "text" : "split 71 127"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
```

```
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-36",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-30",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-23",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                                "text" : "t 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
```

```
                "text" : "* 0."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
                "maxclass" : "newobj",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                "text" : "r duration"
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-72",
```

```
                                "maxclass" : "inlet",
                                "numinlets" : 0,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                            }
                        }
,
                        {
                            "box" :
                                {
                                "comment" : "",
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }
                        }
 ],
            "lines" : [
                        {
                            "patchline" :
                                {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-36", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-17", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-55", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-19", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-24", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-42", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-71", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-43", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-58", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-65", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-60", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-63", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-68", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-64", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-64", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-65", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-66", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-63", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-67", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-69", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-48", 0 ],
```

```
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                            "patchline" :
                                                        {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                            {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
            "fontface" : 0,
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
```

```
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-41",

        "maxclass" : "newobj",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],

        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
            "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-61",
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-62",
            "maxclass" : "outlet",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
```

```
                                                                "lines" : [
                                                                {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-109", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 1 ],

            "disabled" : 0,
```

```
            "hidden" : 0,

            "source" : [ "obj-20", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-74", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-20", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-20", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-28", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-26", 0 ]
                                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }

                                                                    }
```

```
,                                                                    {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
```

```
        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-37", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                }

            }
```

, {
"pa
tchline" :
{
"destination" : ["obj-27", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-74", 0]
}
}
]
}
,
"patching_rect" :
[116.0, 288.0, 43.0, 20.0],
"saved_object_attribute
s" :
{
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"default_fontsize
" : 12.0,
"description" : "",
"digest" : "",
"fontface" : 0,
"fontname" :
"Arial",
"fontsize" : 12.0,
"globalpatcherna
me" : "",
"tags" : ""
}
,
"text" : "p play"
}
}
,
{
"box" :
{
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-67",
"maxclass" : "newobj",

```
                                                                "numinlets" : 1,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patcher" :
                                                                {
                                                                        "fileversion" : 1,
                                                                        "appversion" :
                                                                        {
                                                                                "major" :
6,
                                                                                "minor" :
1,
                                                                                "revision"
: 8,
                                                                                "architect
ure" : "x86"
                                                                        }
,
                                                                        "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                        "bglocked" : 0,
                                                                        "openinpresentat
ion" : 0,
                                                                        "default_fontsize
" : 12.0,
                                                                        "default_fontface
" : 0,
                                                                        "default_fontnam
e" : "Arial",
                                                                        "gridonopen" : 0,
                                                                        "gridsize" :
[ 15.0, 15.0 ],
                                                                        "gridsnaponopen
" : 0,
                                                                        "statusbarvisible"
: 2,
                                                                        "toolbarvisible" :
1,
                                                                        "boxanimatetime
" : 200,
                                                                        "imprint" : 0,
                                                                        "enablehscroll" :
1,
                                                                        "enablevscroll" :
1,
                                                                        "devicewidth" :
0.0,
                                                                        "description" : "",
                                                                        "digest" : "",
                                                                        "tags" : "",
```

```
                                                                "boxes" : [
                                                                {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
                "fileversion" : 1,
                "appversion" :
                                        {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
```

```
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-100",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-97",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "bang", "int" ],
                        "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                        "text" : "t b i"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-95",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                    "text" : "random"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-92",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
```

```
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-90",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }

                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-88",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                        "text" : "+ 1"
                    }

                }
,
                {
                    "box" :
                        {
```

```
                    "id" : "obj-87",
                    "maxclass" : "toggle",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-83",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                    "text" : "gate 2 1"
                }
            }
,
            {
                "box" :
```

```
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
,
        {
            "box" :
                                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-80",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                "text" : "decide"
            }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                                "text" : "scale 50 127 1 12"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-78",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
```

```
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-108",
                        "maxclass" : "outlet",
```

```
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }
                    }
    ],
                "lines" : [
                            {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }
                    }
    ,
                    {
                        "patchline" :
                                                    {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }
                    }
    ,
                    {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-107", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-76", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-78", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-76", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-79", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-78", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-79", 0 ]

            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-82", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-92", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-89", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-95", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-97", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-95", 0 ],
                    "disabled" : 0,
```

```
                                    "hidden" : 0,
                                    "source" : [ "obj-97", 0 ]
                                }
                        }
        ]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                            {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
        }
,
        "text" : "p pitch drunk"
                                                                        }
                                                                }
,                                                               {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
```

```
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }

    }
,
    {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-60",
                        "maxclass" : "flonum",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "float", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-63",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-64",
                    "maxclass" : "number",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "int", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-65",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
```

```
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-68",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-55",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-48",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-43",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }
        }
,
        {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-23",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                        "text" : "random 0"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                        "text" : "t 1"
```

```
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-19",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                    "text" : "* 0."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-17",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
```

```
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-11",
```

```
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                    "text" : "r duration"
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-72",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-73",
```

```
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                                {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
                                                    {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }

                    }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-19", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-22", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-30", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-23", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-23", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
,
                {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-71", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-43", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-48", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-73", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-55", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-17", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-58", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-56", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-65", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-58", 0 ]

            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-68", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
```

```
                                }


                        }
    ]

            }
,

            "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],

            "saved_object_attributes" :
                                                {

                    "default_fontface" : 0,

                    "default_fontname" : "Arial",

                    "default_fontsize" : 12.0,

                    "description" : "",

                    "digest" : "",

                    "fontface" : 0,

                    "fontname" : "Arial",

                    "fontsize" : 12.0,

                    "globalpatchername" : "",

                    "tags" : ""

            }
,

            "text" : "p duration_drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

            "fontname" : "Arial",

            "fontsize" : 12.0,

            "id" : "obj-52",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
```

```
        "text" : "r play_time"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-37",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-32",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
            "fontsize" : 12.0,
            "id" : "obj-20",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 3,
            "outlettype" : [ "int", "int", "int" ],
            "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
            "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-18",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "", "" ],
            "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
            "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
```

```
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],

        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-62",

        "maxclass" : "outlet",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-35", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-109", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-62", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-16", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-37", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-32", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-34", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-28", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-35", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-52", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-18", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                    }
                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 101.0, 273.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
```

```
                                "default_fontnam
e" : "Arial",
                                "default_fontsize
" : 12.0,
                                "description" : "",
                                "digest" : "",
                                "fontface" : 0,
                                "fontname" :
"Arial",
                                "fontsize" : 12.0,
                                "globalpatcherna
me" : "",
                                "tags" : ""
                            }
,
                            "text" : "p play"
                        }

                    }
,                   {
                        "box" :
                {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-64",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
                            "numoutlets" : 1,
                            "outlettype" : [ "" ],
                            "patcher" :
                    {
                                "fileversion" : 1,
                                "appversion" :
                                {
                                    "major" :
6,
                                    "minor" :
1,
                                    "revision"
: 8,
                                    "architect
ure" : "x86"
                                }
,
                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                "bglocked" : 0,
                                "openinpresentat
ion" : 0,
                                "default_fontsize
```

```
" : 12.0,
                                                                    "default_fontface
" : 0,
                                                                    "default_fontnam
e" : "Arial",

                                                                    "gridonopen" : 0,
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,

                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-109",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
```

```
                "appversion" :
                                        {
                        "major" : 6,
                        "minor" : 1,
                        "revision" : 8,
                        "architecture" : "x86"
                }
,
                "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
                "bglocked" : 0,
                "openinpresentation" : 0,
                "default_fontsize" : 12.0,
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "gridonopen" : 0,
                "gridsize" : [ 15.0, 15.0 ],
                "gridsnaponopen" : 0,
                "statusbarvisible" : 2,
                "toolbarvisible" : 1,
                "boxanimatetime" : 200,
                "imprint" : 0,
                "enablehscroll" : 1,
                "enablevscroll" : 1,
                "devicewidth" : 0.0,
                "description" : "",
                "digest" : "",
```

```
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
            "id" : "obj-106",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
,
    {
        "box" :
                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-100",
            "maxclass" : "number",
            "numinlets" : 1,
            "numoutlets" : 2,
            "outlettype" : [ "int", "bang" ],
            "parameter_enable" : 0,
            "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
        }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
                                "text" : "t b i"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-95",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
```

```
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                        "text" : "+"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-89",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                        "text" : "t i b"
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }
        }
,
        {
            "box" :
                {
                "id" : "obj-87",
                "maxclass" : "toggle",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-83",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                "text" : "gate 2 1"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-82",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                "text" : "-"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-80",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                                "text" : "decide"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-79",
                                "maxclass" : "newobj",
                                "numinlets" : 6,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
```

```
                "text" : "scale 50 127 1 12"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-78",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                "text" : "t 0"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-76",
                "maxclass" : "newobj",
                "numinlets" : 3,
```

```
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
                        "id" : "obj-107",
```

```
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
            }
        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-108",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
            }
        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-97", 0 ],
                "disabled" : 0,
                "hidden" : 0,
```

```
                    "source" : [ "obj-100", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-106", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-107", 0 ]
                }
            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-76", 0 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-12", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-78", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-79", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-76", 1 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-78", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-100", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-79", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-80", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-82", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-83", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-88", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-87", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-83", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-88", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-80", 0 ],
                    "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-90", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
```

```
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-90", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-108", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
```

```
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-95", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-97", 0 ]
                        }

                }
]
        }
,
        "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],
        "saved_object_attributes" :
                                        {
                "default_fontface" : 0,
                "default_fontname" : "Arial",
                "default_fontsize" : 12.0,
```

```
                "description" : "",
                "digest" : "",
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p pitch drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-74",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "int" ],
            "patcher" :
                        {
                "fileversion" : 1,
                "appversion" :
                                                {
                    "major" : 6,
                    "minor" : 1,
```

```
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
            "gridsnaponopen" : 0,
            "statusbarvisible" : 2,
            "toolbarvisible" : 1,
            "boxanimatetime" : 200,
            "imprint" : 0,
            "enablehscroll" : 1,
            "enablevscroll" : 1,
            "devicewidth" : 0.0,
            "description" : "",
            "digest" : "",
            "tags" : "",
            "boxes" : [
                                {
                    "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-71",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "float" ],
                    "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                    "text" : "+ 1."
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-60",
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
                                "text" : "/ 1000."
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-64",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
```

```
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                "text" : "* 1000."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-66",
                "maxclass" : "newobj",
```

```
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-67",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-69",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
            }
,
            {
                "box" :
```

```
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-58",
                        "maxclass" : "newobj",
                        "numinlets" : 6,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                        "text" : "scale 0. 49. 0.5 1."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-56",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                        "text" : "split 71 127"
                    }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-48",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
```

```
                        "parameter_enable" : 0,
                        "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-43",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
```

```
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }
                }
,
                {
                    "box" :
                        {
                        "fontname" : "Arial",
```

```
                "fontsize" : 12.0,
                "id" : "obj-31",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                "text" : "print"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }
        }
,
        {
            "box" :
```

```
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-24",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }

            }
,
            {
                "box" :
                                        {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-23",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                    "text" : "random 0"
                }
```

```
                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
                                "text" : "t 1"
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-19",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
```

```
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }
        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
```

```
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                        "text" : "split 50 70"
                    }
                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-11",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                        "text" : "r duration"
                    }
                }
,
                {
                    "box" :
                                                {
                        "comment" : "",
```

```
                "id" : "obj-72",
                "maxclass" : "inlet",
                "numinlets" : 0,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
            }

        }
,
        {
            "box" :
                {
                "comment" : "",
                "id" : "obj-73",
                "maxclass" : "outlet",
                "numinlets" : 1,
                "numoutlets" : 0,
                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
            }

        }
],
    "lines" : [
            {
            "patchline" :
                {
                "destination" : [ "obj-14", 0 ],
                "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-11", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-22", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-56", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-14", 1 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                    "destination" : [ "obj-36", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-17", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-55", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-19", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-19", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-22", 0 ]
                }

            }
,
            {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-30", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-23", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-23", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-24", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-43", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-30", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-31", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-36", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-42", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-36", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-24", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-42", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-71", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-48", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-73", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-55", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-17", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-56", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-58", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-56", 1 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-65", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-58", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-19", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-60", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-60", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-63", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-68", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-64", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-64", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-65", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-66", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-65", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-63", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-67", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-69", 1 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-68", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-69", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-68", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-67", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                            }

                    }
,
                    {
                            "patchline" :
                                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-72", 0 ]
                            }

                    }
 ]
        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],
        "saved_object_attributes" :
                                        {
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "default_fontsize" : 12.0,
            "description" : "",
            "digest" : "",
```

```
                "fontface" : 0,
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "globalpatchername" : "",
                "tags" : ""
            }
,
            "text" : "p duration_drunk"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-52",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
            "text" : "s next_note"
                                                                                    }
                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {
            "id" : "obj-47",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
```

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-34",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-62",
        "maxclass" : "outlet",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                    }
```

```
                }
 ],
                "lines" : [
                {
                    "pa
tchline" :
        {
        "destination" : [ "obj-16", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                    }
                }
,               {
                    "pa
tchline" :
        {
        "destination" : [ "obj-35", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-109", 0 ]
                    }
                }
,               {
                    "pa
tchline" :
        {
        "destination" : [ "obj-62", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-16", 0 ]
                    }
                }
,               {
                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-21", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-34", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-18", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-109", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-74", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-20", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-20", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-28", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-26", 0 ]
```

```
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],

        "source" : [ "obj-27", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-47", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-37", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-32", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-34", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-37", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-32", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-41", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                    }
```

```
                                                                    }
                                                                    {
,                                                                           "pa
tchline" :
        {
        "destination" : [ "obj-27", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-74", 0 ]
                                                                            }

                                                                    }
 ]
                                                            }
,                                                           "patching_rect" : [ 65.0,
288.0, 43.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,                                                           "text" : "p play"
                                                    }
                                                }
                                                {
,                                                   "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
```

```
                                                                                "id" : "obj-63",
                                                                                "maxclass" : "newobj",
                                                                                "numinlets" : 1,
                                                                                "numoutlets" : 1,
                                                                                "outlettype" : [ "" ],
                                                                                "patcher" :
                                                                    {
                                                                                "fileversion" : 1,
                                                                                "appversion" :
                                                                                {
                                                                                "major" :
6,
                                                                                "minor" :
1,
                                                                                "revision"
: 8,
                                                                                "architect
ure" : "x86"
                                                                                }
,
                                                                                "rect" : [ 54.0,
94.0, 952.0, 760.0 ],
                                                                                "bglocked" : 0,
                                                                                "openinpresentat
ion" : 0,
                                                                                "default_fontsize
" : 12.0,
                                                                                "default_fontface
" : 0,
                                                                                "default_fontnam
e" : "Arial",
                                                                                "gridonopen" : 0,
                                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                                "gridsnaponopen
" : 0,
                                                                                "statusbarvisible"
: 2,
                                                                                "toolbarvisible" :
1,
                                                                                "boxanimatetime
" : 200,
                                                                                "imprint" : 0,
                                                                                "enablehscroll" :
1,
                                                                                "enablevscroll" :
1,
                                                                                "devicewidth" :
0.0,
                                                                                "description" : "",
```

```
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                                "bo
x" :                                                                            {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-109",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "int" ],

        "patcher" :
                    {

            "fileversion" : 1,

            "appversion" :
                                        {

                "major" : 6,

                "minor" : 1,

                "revision" : 8,

                "architecture" : "x86"

            }
,

            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],

            "bglocked" : 0,

            "openinpresentation" : 0,

            "default_fontsize" : 12.0,

            "default_fontface" : 0,
```

```
"default_fontname" : "Arial",
"gridonopen" : 0,
"gridsize" : [ 15.0, 15.0 ],
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                        {
        "box" :
                                        {
                "id" : "obj-106",
                "maxclass" : "button",
                "numinlets" : 1,
                "numoutlets" : 1,
                "outlettype" : [ "bang" ],
                "patching_rect" : [ 118.0, 202.0, 20.0, 20.0 ]
        }

    }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-100",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 171.0, 192.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-97",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "bang", "int" ],
                                "patching_rect" : [ 171.0, 212.0, 32.5, 20.0 ],
```

```
                "text" : "t b i"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-95",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 224.0, 216.0, 51.0, 20.0 ],
                "text" : "random"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-92",
                "maxclass" : "number",
                "numinlets" : 1,
```

```
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 80.0, 447.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-90",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 50.0, 384.0, 32.5, 20.0 ],
                "text" : "+"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                "id" : "obj-89",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "patching_rect" : [ 164.0, 245.0, 32.5, 20.0 ],
                "text" : "t i b"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-88",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 213.0, 318.0, 32.5, 20.0 ],
                "text" : "+ 1"
            }

        }
,
        {
            "box" :
```

```
                                                {
                        "id" : "obj-87",
                        "maxclass" : "toggle",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 213.0, 291.0, 20.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-83",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 2,
                        "outlettype" : [ "", "" ],
                        "patching_rect" : [ 72.0, 330.0, 54.0, 20.0 ],
                        "text" : "gate 2 1"
                    }

                }
,
                {
```

```
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-82",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 103.0, 384.0, 32.5, 20.0 ],
                        "text" : "-"
                }

        }
,
        {
                "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-80",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 213.0, 264.0, 46.0, 20.0 ],
                        "text" : "decide"
```

```
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-79",
                    "maxclass" : "newobj",
                    "numinlets" : 6,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 143.0, 163.0, 105.0, 20.0 ],
                    "text" : "scale 50 127 1 12"
                }

            }
,
            {
                "box" :
                                                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-78",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 1,
```

```
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 72.0, 198.0, 24.0, 20.0 ],
                        "text" : "t 0"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-76",
                        "maxclass" : "newobj",
                        "numinlets" : 3,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "int" ],
                        "patching_rect" : [ 103.0, 133.0, 59.0, 20.0 ],
                        "text" : "split 0 49"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-12",
```

```
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 103.0, 100.0, 43.0, 20.0 ],
                        "text" : "r pitch"
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-107",
                        "maxclass" : "inlet",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "int" ],
                        "patching_rect" : [ 107.0, 40.0, 25.0, 25.0 ]
                    }
                }
,
                {
                    "box" :
                        {
                        "comment" : "",
                        "id" : "obj-108",
```

```
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 80.0, 527.0, 25.0, 25.0 ]
                            }

                    }
    ],
                "lines" : [
                            {
                            "patchline" :
                                        {
                                "destination" : [ "obj-97", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-100", 0 ]
                            }

                    }
    ,
                    {
                            "patchline" :
                                        {
                                "destination" : [ "obj-100", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-106", 0 ]
                            }

                    }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-83", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-107", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-76", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-12", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-78", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-76", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-79", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-76", 1 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-90", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-78", 0 ]
                }

            }
,
            {
                "patchline" :
                                        {
                    "destination" : [ "obj-100", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-79", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-87", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-80", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-92", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-82", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-82", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-90", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-83", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-88", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-87", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-83", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-88", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-80", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-82", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-89", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-90", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-89", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-92", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-90", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-108", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-92", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-89", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-95", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-97", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-95", 0 ],
```

```
                                    "disabled" : 0,

                                    "hidden" : 0,

                                    "source" : [ "obj-97", 0 ]

                                }


                            }
        ]

                }
        ,

                "patching_rect" : [ 187.0, 270.0, 79.0, 20.0 ],

                "saved_object_attributes" :
                                                {

                        "default_fontface" : 0,

                        "default_fontname" : "Arial",

                        "default_fontsize" : 12.0,

                        "description" : "",

                        "digest" : "",

                        "fontface" : 0,

                        "fontname" : "Arial",

                        "fontsize" : 12.0,

                        "globalpatchername" : "",

                        "tags" : ""

                }
        ,

                "text" : "p pitch drunk"
                                                                                        }

                                                                                    }
        ,                                                                           {
                                                                                        "bo
        x" :                                                                            {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-74",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "int" ],
        "patcher" :
                {
            "fileversion" : 1,
            "appversion" :
                                    {
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
            }
,
            "rect" : [ 0.0, 0.0, 640.0, 480.0 ],
            "bglocked" : 0,
            "openinpresentation" : 0,
            "default_fontsize" : 12.0,
            "default_fontface" : 0,
            "default_fontname" : "Arial",
            "gridonopen" : 0,
            "gridsize" : [ 15.0, 15.0 ],
```

```
"gridsnaponopen" : 0,
"statusbarvisible" : 2,
"toolbarvisible" : 1,
"boxanimatetime" : 200,
"imprint" : 0,
"enablehscroll" : 1,
"enablevscroll" : 1,
"devicewidth" : 0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
                {
        "box" :
                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-71",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 232.0, 417.0, 32.5, 20.0 ],
                "text" : "+ 1."
        }

    }
```

```
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-60",
                                "maxclass" : "flonum",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "float", "bang" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 408.0, 466.0, 50.0, 20.0 ]
                        }

                }
,
                {
                        "box" :
                                                        {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-63",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "float" ],
                                "patching_rect" : [ 408.0, 438.0, 47.0, 20.0 ],
```

```
                "text" : "/ 1000."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-64",
                "maxclass" : "number",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "int", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 451.0, 300.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-65",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 413.0, 268.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-66",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 468.5, 268.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-67",
```

```
                    "maxclass" : "flonum",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "float", "bang" ],
                    "parameter_enable" : 0,
                    "patching_rect" : [ 380.0, 373.0, 50.0, 20.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-68",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 2,
                    "outlettype" : [ "bang", "int" ],
                    "patching_rect" : [ 419.0, 316.0, 32.5, 20.0 ],
                    "text" : "t b i"
                }
            }
,
            {
                "box" :
                    {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-69",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "int" ],
                "patching_rect" : [ 380.0, 344.0, 61.0, 20.0 ],
                "text" : "random 0"
            }

        }
,
        {
            "box" :
                                                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-58",
                "maxclass" : "newobj",
                "numinlets" : 6,
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 413.0, 233.0, 105.0, 20.0 ],
                "text" : "scale 0. 49. 0.5 1."
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-56",
                                "maxclass" : "newobj",
                                "numinlets" : 3,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "int" ],
                                "patching_rect" : [ 247.0, 189.0, 72.0, 20.0 ],
                                "text" : "split 71 127"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-55",
                                "maxclass" : "number",
                                "numinlets" : 1,
                                "numoutlets" : 2,
                                "outlettype" : [ "int", "bang" ],
                                "parameter_enable" : 0,
```

```
                "patching_rect" : [ 50.0, 383.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-48",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 229.0, 448.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-43",
                "maxclass" : "newobj",
                "numinlets" : 2,
```

```
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 201.0, 383.0, 47.0, 20.0 ],
                        "text" : "/ 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 272.0, 282.0, 50.0, 20.0 ]
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
```

```
                        "id" : "obj-36",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 234.0, 250.0, 49.0, 20.0 ],
                        "text" : "* 1000."
                    }

                }
,
                {
                    "box" :
                                                {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 289.5, 250.0, 34.0, 20.0 ],
                        "text" : "print"
                    }

                }
,
                {
                    "box" :
                                                {
```

```
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-30",
                "maxclass" : "flonum",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "float", "bang" ],
                "parameter_enable" : 0,
                "patching_rect" : [ 201.0, 355.0, 50.0, 20.0 ]
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-24",
                "maxclass" : "newobj",
                "numinlets" : 1,
                "numoutlets" : 2,
                "outlettype" : [ "bang", "int" ],
                "patching_rect" : [ 240.0, 298.0, 32.5, 20.0 ],
                "text" : "t b i"
            }

        }
```

```
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-23",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 201.0, 326.0, 61.0, 20.0 ],
                                "text" : "random 0"
                        }

                }
,
                {
                        "box" :
                                                {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-22",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 118.0, 211.0, 24.0, 20.0 ],
```

```
                "text" : "t 1"

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-19",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 1,
                "outlettype" : [ "float" ],
                "patching_rect" : [ 78.5, 337.0, 32.5, 20.0 ],
                "text" : "* 0."

            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-17",
                "maxclass" : "newobj",
                "numinlets" : 6,
```

```
                "numoutlets" : 1,
                "outlettype" : [ "" ],
                "patching_rect" : [ 247.0, 219.0, 119.0, 20.0 ],
                "text" : "scale 71. 127. 0. 0.5"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-14",
                "maxclass" : "newobj",
                "numinlets" : 3,
                "numoutlets" : 2,
                "outlettype" : [ "int", "int" ],
                "patching_rect" : [ 201.0, 147.0, 65.0, 20.0 ],
                "text" : "split 50 70"
            }

        }
,
        {
            "box" :
                {
                "fontname" : "Arial",
                "fontsize" : 12.0,
```

```
                    "id" : "obj-11",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" : [ 201.0, 100.0, 61.0, 20.0 ],
                    "text" : "r duration"
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
                    "id" : "obj-72",
                    "maxclass" : "inlet",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "int" ],
                    "patching_rect" : [ 78.5, 40.0, 25.0, 25.0 ]
                }
            }
,
            {
                "box" :
                    {
                    "comment" : "",
```

```
                                "id" : "obj-73",
                                "maxclass" : "outlet",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 50.0, 550.452148, 25.0, 25.0 ]
                            }

                        }
    ],
                "lines" : [
                            {
                                "patchline" :
                                        {
                                "destination" : [ "obj-14", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-11", 0 ]
                            }

                        }
    ,
                        {
                                "patchline" :
                                        {
                                "destination" : [ "obj-22", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 0 ]
                            }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-56", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-14", 1 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-36", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-17", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-55", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-19", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-22", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-30", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-23", 0 ]
            }
        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 1 ],
```

```
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 1 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-23", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-24", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-43", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-30", 0 ]
            }

        }
,
        {
            "patchline" :
```

```
                                                {
                        "destination" : [ "obj-31", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-42", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-36", 0 ]
                    }

                }
,
                {
                    "patchline" :
                                                {
                        "destination" : [ "obj-24", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
```

```
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-71", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-48", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-73", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-55", 0 ]
```

```
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-17", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 0 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-58", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-56", 1 ]
                }

            }
,
            {
                "patchline" :
                                                {
                    "destination" : [ "obj-65", 0 ],
                    "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-58", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-19", 1 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-60", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-60", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-63", 0 ]
            }

        }
,
        {
            "patchline" :
                {
```

```
                "destination" : [ "obj-68", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-64", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
            "patchline" :
                {
                "destination" : [ "obj-66", 0 ],
                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-65", 0 ]
            }

        }
,
        {
```

```
                "patchline" :
                                                {
                        "destination" : [ "obj-63", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-67", 0 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 1 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 1 ]
                }

        }
,
        {
                "patchline" :
                                                {
                        "destination" : [ "obj-69", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-68", 0 ]
                }
```

```
                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-67", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-69", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-48", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-71", 0 ]
                        }

                }
,
                {
                        "patchline" :
                                                {
                                "destination" : [ "obj-19", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                                    "source" : [ "obj-72", 0 ]

                                }


                            }
    ]

        }
,
        "patching_rect" : [ 242.5, 220.0, 101.0, 20.0 ],

        "saved_object_attributes" :
                                                {

                "default_fontface" : 0,

                "default_fontname" : "Arial",

                "default_fontsize" : 12.0,

                "description" : "",

                "digest" : "",

                "fontface" : 0,

                "fontname" : "Arial",

                "fontsize" : 12.0,

                "globalpatchername" : "",

                "tags" : ""

        }
,
        "text" : "p duration_drunk"
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,
```

```
        "id" : "obj-52",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 319.0, 651.0, 73.0, 20.0 ],
        "text" : "s next_note"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-47",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 319.0, 626.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-41",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 49.0, 93.0, 69.0, 20.0 ],
        "text" : "r play_time"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-37",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 128.5, 151.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-34",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 128.5, 93.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
```

```
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-32",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 128.5, 120.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 182.5, 151.0, 40.0, 20.0 ],

        "text" : "zl reg"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-20",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 182.5, 180.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-18",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 129.5, 36.0, 94.0, 20.0 ],
        "text" : "zl slice 1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-35",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 254.5, 548.0, 34.0, 18.0 ],
        "text" : "$1 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-29",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "int", "int" ],
        "patching_rect" : [ 233.5, 595.0, 69.0, 20.0 ],
        "text" : "unpack 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-28",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 233.5, 571.0, 40.0, 20.0 ],
        "text" : "zl reg"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-27",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 2,
        "outlettype" : [ "bang", "int" ],
        "patching_rect" : [ 233.5, 504.0, 32.5, 20.0 ],
        "text" : "t b i"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-26",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 233.5, 528.0, 39.0, 20.0 ],
        "text" : "delay"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-16",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 182.5, 626.0, 120.0, 20.0 ],
        "text" : "sprintf 144\\, %ld\\, %ld"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-61",
        "maxclass" : "inlet",
        "numinlets" : 0,
```

```
            "numoutlets" : 1,

            "outlettype" : [ "" ],

            "patching_rect" : [ 129.5, 5.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "bo
x" :                                                                                {

            "comment" : "",

            "id" : "obj-62",

            "maxclass" : "outlet",

            "numinlets" : 1,

            "numoutlets" : 0,

            "patching_rect" : [ 182.5, 674.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-16", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-35", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-109", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-62", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-16", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 1 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-18", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-34", 0 ],

            "disabled" : 0,

            "hidden" : 0,
```

```
        "source" : [ "obj-18", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-109", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 0 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-16", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 1 ]
                }

            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-74", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-20", 2 ]
                }

            }
,           {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-20", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-28", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-26", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-26", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 256.5, 525.0, 263.0, 525.0 ],
        "source" : [ "obj-27", 1 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-26", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 243.0, 525.0, 243.0, 525.0 ],

        "source" : [ "obj-27", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-29", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-28", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-29", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-16", 0 ],
```

```
            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-47", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-29", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-37", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-32", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
            {

            "destination" : [ "obj-32", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-34", 0 ]
```

```
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-28", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-35", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-37", 0 ]
                }
            }
,           {
                "pa
tchline" :
        {
        "destination" : [ "obj-32", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-41", 0 ]
                }
            }
,           {
                "pa
```

```
tchline" :
        {

        "destination" : [ "obj-52", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-18", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-61", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-27", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-74", 0 ]
                                                                        }


                                                                }
 ]                                                      }
,                                                       "patching_rect" : [ 50.0,
273.0, 43.0, 20.0 ],
                                                        "saved_object_attribute
s" :                                                    {
```

```
                                                "default_fontface
" : 0,
                                                "default_fontnam
e" : "Arial",
                                                "default_fontsize
" : 12.0,
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p play"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-9",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 2,
                                            "outlettype" : [ "",
"bang" ],
                                            "patching_rect" :
[ 116.0, 100.0, 32.5, 20.0 ],
                                            "text" : "t l b"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-24",
                                            "maxclass" : "newobj",
                                            "numinlets" : 5,
                                            "numoutlets" : 4,
                                            "outlettype" : [ "int", "",
"", "int" ],
                                            "patching_rect" :
```

```
[ 129.5, 152.0, 87.0, 20.0 ],
                                                    "text" : "counter 0 1 32"
                                                }

                                            }
, {
                                                "box" :
                                {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-23",
                                                    "maxclass" : "newobj",
                                                    "numinlets" : 2,
                                                    "numoutlets" : 32,
                                                    "outlettype" : [ "", "", "",
"", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "", "" ],
                                                    "patching_rect" :
[ 129.5, 183.0, 762.5, 20.0 ],
                                                    "text" : "gate 32"
                                                }

                                            }
, {
                                                "box" :
                                {
                                                    "comment" : "",
                                                    "id" : "obj-85",
                                                    "maxclass" : "inlet",
                                                    "numinlets" : 0,
                                                    "numoutlets" : 1,
                                                    "outlettype" : [ "" ],
                                                    "patching_rect" :
[ 116.0, 40.0, 25.0, 25.0 ]
                                                }

                                            }
, {
                                                "box" :
                                {
                                                    "comment" : "",
                                                    "id" : "obj-86",
                                                    "maxclass" : "outlet",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 0,
                                                    "patching_rect" :
[ 237.5, 368.0, 25.0, 25.0 ]
                                                }

                                            }
 ],
```

```
                                    "lines" : [
                {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-1", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-10", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-11", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-12", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-86", 0 ],
```

```
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-13", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-14", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-15", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-16", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-17", 0 ]
                                            }

                                        }
```

```
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-86", 0 ],

                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-2", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" : [ "obj-1",
0 ],

                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23",
31 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-10", 0 ],

                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23",
23 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-11", 0 ],

                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23",
22 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
```

```
                                    "destination" :
[ "obj-12", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
21 ]
                                }

                            }
,                           {
                                "patchline" :
                        {
                                    "destination" :
[ "obj-13", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
20 ]
                                }

                            }
,                           {
                                "patchline" :
                        {
                                    "destination" :
[ "obj-14", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
19 ]
                                }

                            }
,                           {
                                "patchline" :
                        {
                                    "destination" :
[ "obj-15", 0 ],
                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
18 ]
                                }

                            }
,                           {
                                "patchline" :
                        {
                                    "destination" :
[ "obj-16", 0 ],
```

```
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
17 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-17", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
16 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" : [ "obj-2",
0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
30 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" : [ "obj-3",
0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
29 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" : [ "obj-4",
0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
```

```
                                        "source" : [ "obj-23",
28 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" : [ "obj-5",
0 ],

                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
27 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" : [ "obj-6",
0 ],

                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23",
26 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-63", 0 ],

                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-64", 0 ],

                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-23", 1 ]
                                    }
```

```
                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-65", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23", 3 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-67", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23", 2 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-68", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23", 7 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-69", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-23", 6 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" : [ "obj-7",
0 ],
```

```
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23",
25 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-70", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23", 5 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-71", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23", 4 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-72", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23",
15 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-73", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23",
14 ]
```

```
                                }

                            }
,                           {
                                "patchline" :
                    {
                                    "destination" :
[ "obj-74", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
13 ]
                                }

                            }
,                           {
                                "patchline" :
                    {
                                    "destination" :
[ "obj-75", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
12 ]
                                }

                            }
,                           {
                                "patchline" :
                    {
                                    "destination" :
[ "obj-76", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
11 ]
                                }

                            }
,                           {
                                "patchline" :
                    {
                                    "destination" :
[ "obj-77", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-23",
10 ]
                                }
```

```
                                                    }
,                                                   {
                                                        "patchline" :
                                {
                                                            "destination" :
[ "obj-78", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "source" : [ "obj-23", 9 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                {
                                                            "destination" :
[ "obj-79", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "source" : [ "obj-23", 8 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                {
                                                            "destination" : [ "obj-8",
0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "source" : [ "obj-23",
24 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                {
                                                            "destination" :
[ "obj-23", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "midpoints" : [ 139.0,
173.0, 139.0, 173.0 ],
                                                            "source" : [ "obj-24", 0 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
```

```
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-3", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-4", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-5", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-6", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-63", 0 ]
```

```
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-64", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-65", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-67", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-68", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
```

```
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-69", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-7", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-70", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-71", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-86", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-72", 0 ]
                                            }
```

```
                                }
,                               {
                                    "patchline" :
                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-73", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-74", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-75", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                {
                                        "destination" :
[ "obj-86", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-76", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                {
                                        "destination" :
```

```
[ "obj-86", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-77", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-86", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-78", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-86", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-79", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-86", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-8", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" : [ "obj-9",
0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-85", 0 ]
                                                }
```

```
                                        }
,                                       {
                                                "patchline" :
                                {
                                                        "destination" :
[ "obj-23", 1 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "midpoints" : [ 125.5,
137.0, 882.5, 137.0 ],
                                                        "source" : [ "obj-9", 0 ]
                                                }

                                        }
,                                       {
                                                "patchline" :
                                {
                                                        "destination" :
[ "obj-24", 0 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "midpoints" : [ 139.0,
122.0, 139.0, 122.0 ],
                                                        "source" : [ "obj-9", 1 ]
                                                }

                                        }
 ]
                                }
,
                                "patching_rect" : [ 48.5, 631.5, 68.0, 20.0 ],
                                "saved_object_attributes" :
                {
                                        "default_fontface" : 0,
                                        "default_fontname" : "Arial",
                                        "default_fontsize" : 12.0,
                                        "description" : "",
                                        "digest" : "",
                                        "fontface" : 0,
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "globalpatchername" : "",
                                        "tags" : ""
                                }
,
                                "text" : "p playback"
                        }

                }
,               {
```

```
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "frgb" : 0.0,
                                "id" : "obj-84",
                                "linecount" : 3,
                                "maxclass" : "comment",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 409.0, 134.0, 150.0, 47.0 ],
                                "text" : "144 - keys\n176 - faders\n153 - buttons"
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-82",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 2,
                                "outlettype" : [ "", "" ],
                                "patching_rect" : [ 268.5, 100.0, 63.0, 20.0 ],
                                "text" : "zl group 3"
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-81",
                                "maxclass" : "newobj",
                                "numinlets" : 4,
                                "numoutlets" : 4,
                                "outlettype" : [ "", "", "", "" ],
                                "patching_rect" : [ 268.5, 160.0, 108.0, 20.0 ],
                                "text" : "route 144 176 153"
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-44",
                                "maxclass" : "message",
                                "numinlets" : 2,
                                "numoutlets" : 1,
```

```
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 977.0, 309.5, 33.0, 18.0 ],
                        "text" : "stop"
                    }

                }
,               {
                    "box" :                                 {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-42",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 977.0, 280.5, 95.0, 20.0 ],
                        "text" : "r stop_playback"
                    }

                }
,               {
                    "box" :                                 {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-40",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 876.5, 454.5, 71.0, 20.0 ],
                        "text" : "s play_time"
                    }

                }
,               {
                    "box" :                                 {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-39",
                        "maxclass" : "number",
                        "numinlets" : 1,
                        "numoutlets" : 2,
                        "outlettype" : [ "int", "bang" ],
                        "parameter_enable" : 0,
                        "patching_rect" : [ 876.5, 370.5, 50.0, 20.0 ]
                    }

                }
,               {
                    "box" :                                 {
                        "fontname" : "Arial",
```

```
                        "fontsize" : 12.0,
                        "id" : "obj-31",
                        "maxclass" : "newobj",
                        "numinlets" : 0,
                        "numoutlets" : 1,
                        "outlettype" : [ "" ],
                        "patching_rect" : [ 877.0, 280.5, 95.0, 20.0 ],
                        "text" : "r start_playback"
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-22",
                        "maxclass" : "newobj",
                        "numinlets" : 2,
                        "numoutlets" : 1,
                        "outlettype" : [ "float" ],
                        "patching_rect" : [ 876.5, 340.5, 49.0, 20.0 ],
                        "text" : "clocker"
                    }

                }
,               {
                    "box" :                         {
                        "id" : "obj-12",
                        "maxclass" : "button",
                        "numinlets" : 1,
                        "numoutlets" : 1,
                        "outlettype" : [ "bang" ],
                        "patching_rect" : [ 1033.0, 4.0, 50.0, 50.0 ],
                        "presentation" : 1,
                        "presentation_rect" : [ 649.0, 43.0, 50.0, 50.0 ]
                    }

                }
,               {
                    "box" :                         {
                        "fontname" : "Arial",
                        "fontsize" : 12.0,
                        "id" : "obj-13",
                        "maxclass" : "newobj",
                        "numinlets" : 1,
                        "numoutlets" : 0,
                        "patching_rect" : [ 1033.0, 66.0, 97.0, 20.0 ],
                        "presentation" : 1,
                        "presentation_rect" : [ 649.0, 105.0, 97.0, 20.0 ],
                        "text" : "s stop_playback"
```

```
                }

            }
,           {
                "box" :                 {
                    "id" : "obj-11",
                    "maxclass" : "button",
                    "numinlets" : 1,
                    "numoutlets" : 1,
                    "outlettype" : [ "bang" ],
                    "patching_rect" : [ 922.0, 4.0, 50.0, 50.0 ],
                    "presentation" : 1,
                    "presentation_rect" : [ 538.0, 43.0, 50.0, 50.0 ]
                }

            }
,           {
                "box" :                 {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-10",
                    "maxclass" : "newobj",
                    "numinlets" : 1,
                    "numoutlets" : 0,
                    "patching_rect" : [ 922.0, 66.0, 97.0, 20.0 ],
                    "presentation" : 1,
                    "presentation_rect" : [ 538.0, 105.0, 97.0, 20.0 ],
                    "text" : "s start_playback"
                }

            }
,           {
                "box" :                 {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-5",
                    "maxclass" : "newobj",
                    "numinlets" : 0,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patcher" :                     {
                        "fileversion" : 1,
                        "appversion" :
        {
                            "major" : 6,
                            "minor" : 1,
                            "revision" : 8,
                            "architecture" : "x86"
                        }
,
```

```
                                    "rect" : [ 16.0, 44.0, 943.0, 810.0 ],
                                    "bglocked" : 0,
                                    "openinpresentation" : 0,
                                    "default_fontsize" : 12.0,
                                    "default_fontface" : 0,
                                    "default_fontname" : "Arial",
                                    "gridonopen" : 0,
                                    "gridsize" : [ 15.0, 15.0 ],
                                    "gridsnaponopen" : 0,
                                    "statusbarvisible" : 2,
                                    "toolbarvisible" : 1,
                                    "boxanimatetime" : 200,
                                    "imprint" : 0,
                                    "enablehscroll" : 1,
                                    "enablevscroll" : 1,
                                    "devicewidth" : 0.0,
                                    "description" : "",
                                    "digest" : "",
                                    "tags" : "",
                                    "boxes" : [
                {
                                            "box" :
                                {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-84",
                                                "maxclass" : "newobj",
                                                "numinlets" : 2,
                                                "numoutlets" : 1,
                                                "outlettype" : [ "int" ],
                                                "patching_rect" :
[ 448.0, 668.0, 32.5, 20.0 ],
                                                "text" : "+ 1"
                                            }

                                        }
,                                       {
                                            "box" :
                                {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-83",
                                                "maxclass" : "number",
                                                "numinlets" : 1,
                                                "numoutlets" : 2,
                                                "outlettype" : [ "int",
"bang" ],
                                                "parameter_enable" : 0,
                                                "patching_rect" :

[ 501.0, 418.0, 50.0, 20.0 ]
```

```
                }

            }
,           {
                "box" :
                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-81",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 2,
                    "outlettype" : [ "", "" ],
                    "patching_rect" :
[ 487.0, 376.0, 57.0, 20.0 ],
                    "text" : "zl ecils 1"
                }

            }
,           {
                "box" :
                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-76",
                    "maxclass" : "newobj",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" :
[ 487.0, 356.0, 67.0, 20.0 ],
                    "text" : "thresh 500"
                }

            }
,           {
                "box" :
                {
                    "fontname" : "Arial",
                    "fontsize" : 12.0,
                    "id" : "obj-75",
                    "maxclass" :
"message",
                    "numinlets" : 2,
                    "numoutlets" : 1,
                    "outlettype" : [ "" ],
                    "patching_rect" :
[ 641.0, 352.0, 32.5, 18.0 ],
                    "text" : "1"
                }
```

```
                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-73",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 2,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patching_rect" :
[ 752.0, 376.0, 34.0, 20.0 ],
                                                                "text" : "gate"
                                                        }

                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-72",
                                                                "maxclass" :
"message",
                                                                "numinlets" : 2,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patching_rect" :
[ 695.25, 344.0, 32.5, 18.0 ],
                                                                "text" : "0"
                                                        }

                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-70",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 0,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patching_rect" :
[ 767.0, 281.0, 95.0, 20.0 ],
                                                                "text" : "r
stop_playback"
                                                        }
```

```
                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-69",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patching_rect" :
[ 486.5, 525.0, 151.0, 20.0 ],
                                            "text" : "if $i1 > 32 then
32 else $i1"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "id" : "obj-67",
                                            "maxclass" : "button",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "bang" ],
                                            "patching_rect" :
[ 641.0, 418.0, 20.0, 20.0 ]
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-65",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 0,
                                            "patching_rect" :
[ 683.0, 752.0, 89.0, 20.0 ],
                                            "text" : "s relative_zero"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
```

```
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-64",
                                                "maxclass" : "number",
                                                "numinlets" : 1,
                                                "numoutlets" : 2,
                                                "outlettype" : [ "int",
"bang" ],
                                                "parameter_enable" : 0,
                                                "patching_rect" :
[ 683.0, 725.0, 50.0, 20.0 ]
                                            }

                                        }
,                                       {
                                            "box" :
                                {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-62",
                                                "maxclass" : "newobj",
                                                "numinlets" : 2,
                                                "numoutlets" : 2,
                                                "outlettype" : [ "", "" ],
                                                "patching_rect" :
[ 683.0, 701.0, 57.0, 20.0 ],
                                                "text" : "zl slice 1"
                                            }

                                        }
,                                       {
                                            "box" :
                                {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-61",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 4,
                                                "outlettype" : [ "", "", "",
"" ],
                                                "patching_rect" :
[ 683.0, 677.0, 105.0, 20.0 ],
                                                "saved_object_attribute
s" :                                            {
                                                        "embed" : 0
                                                }

,
                                                "text" : "coll
qvenilds_midi"
```

```
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "frgb" : 0.0,
                                            "id" : "obj-56",
                                            "maxclass" :
"comment",
                                            "numinlets" : 1,
                                            "numoutlets" : 0,
                                            "patching_rect" :
[ 551.0, 418.0, 75.0, 20.0 ],
                                            "text" : "inn fra fader"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "frgb" : 0.0,
                                            "id" : "obj-52",
                                            "maxclass" :
"comment",
                                            "numinlets" : 1,
                                            "numoutlets" : 0,
                                            "patching_rect" :
[ 573.0, 635.0, 63.0, 20.0 ],
                                            "text" : "startpunkt"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "frgb" : 0.0,
                                            "id" : "obj-50",
                                            "linecount" : 2,
                                            "maxclass" :
"comment",
                                            "numinlets" : 1,
                                            "numoutlets" : 0,
                                            "patching_rect" :
```

```
[ 538.0, 545.0, 80.0, 33.0 ],
                                                    "text" : "antall toner i
cut"
                                                }

                                            }
,                                           {
                                                "box" :
                                    {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-48",
                                                    "maxclass" : "number",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 2,
                                                    "outlettype" : [ "int",
"bang" ],
                                                    "parameter_enable" : 0,
                                                    "patching_rect" :
[ 767.0, 463.0, 50.0, 20.0 ]
                                                }

                                            }
,                                           {
                                                "box" :
                                    {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-44",
                                                    "maxclass" : "number",
                                                    "numinlets" : 1,
                                                    "numoutlets" : 2,
                                                    "outlettype" : [ "int",
"bang" ],
                                                    "parameter_enable" : 0,
                                                    "patching_rect" :
[ 529.0, 773.0, 50.0, 20.0 ]
                                                }

                                            }
,                                           {
                                                "box" :
                                    {
                                                    "fontname" : "Arial",
                                                    "fontsize" : 12.0,
                                                    "id" : "obj-41",
                                                    "maxclass" :
"message",
                                                    "numinlets" : 2,
                                                    "numoutlets" : 1,
```

```
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 869.0, 402.0, 32.5, 18.0 ],
                                        "text" : "0"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "id" : "obj-34",
                                        "maxclass" : "button",
                                        "numinlets" : 1,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "bang" ],
                                        "patching_rect" :
[ 714.0, 520.0, 20.0, 20.0 ]
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-29",
                                        "maxclass" : "newobj",
                                        "numinlets" : 2,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "int" ],
                                        "patching_rect" :
[ 767.0, 433.0, 32.5, 20.0 ],
                                        "text" : "+ 1"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-26",
                                        "maxclass" : "newobj",
                                        "numinlets" : 0,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 767.0, 343.0, 71.0, 20.0 ],
                                        "text" : "r next_note"
                                    }
```

```
                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-25",
                                            "maxclass" : "newobj",
                                            "numinlets" : 5,
                                            "numoutlets" : 4,
                                            "outlettype" : [ "int", "",
"", "int" ],
                                            "patching_rect" :
[ 767.0, 402.0, 73.0, 20.0 ],
                                            "text" : "counter"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-23",
                                            "maxclass" :
"message",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patching_rect" :
[ 714.0, 463.0, 43.0, 18.0 ],
                                            "text" : "set $1"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-19",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patching_rect" :
[ 714.0, 494.0, 43.0, 20.0 ],
                                            "text" : "match"
                                        }
```

```
                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-13",
                                            "maxclass" : "newobj",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "int" ],
                                            "patching_rect" :
[ 540.0, 666.0, 32.5, 20.0 ],
                                            "text" : "+"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-7",
                                            "maxclass" : "newobj",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patching_rect" :
[ 523.0, 692.0, 36.0, 20.0 ],
                                            "text" : "pack"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-47",
                                            "maxclass" :
"message",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "" ],
                                            "patching_rect" :
[ 523.0, 721.0, 67.0, 18.0 ],
                                            "text" : "$1, $2 150"
                                        }
```

```
                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-45",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 3,
                                                                "numoutlets" : 2,
                                                                "outlettype" : [ "", "" ],
                                                                "patching_rect" :
[ 529.0, 745.0, 46.0, 20.0 ],
                                                                "text" : "line"
                                                        }

                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-43",
                                                                "maxclass" : "number",
                                                                "numinlets" : 1,
                                                                "numoutlets" : 2,
                                                                "outlettype" : [ "int",
"bang" ],
                                                                "parameter_enable" : 0,
                                                                "patching_rect" :
[ 523.0, 635.0, 50.0, 20.0 ]
                                                        }

                                                }
,                                               {
                                                        "box" :
                                {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-40",
                                                                "maxclass" : "number",
                                                                "numinlets" : 1,
                                                                "numoutlets" : 2,
                                                                "outlettype" : [ "int",
"bang" ],
                                                                "parameter_enable" : 0,
                                                                "patching_rect" :
[ 473.0, 603.0, 50.0, 20.0 ]
                                                        }
```

```
                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-38",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "bang" ],
                                            "patching_rect" :
[ 441.0, 603.0, 24.0, 20.0 ],
                                            "text" : "t b"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-37",
                                            "maxclass" : "newobj",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "int" ],
                                            "patching_rect" :
[ 473.0, 573.0, 32.5, 20.0 ],
                                            "text" : "-"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-36",
                                            "maxclass" : "newobj",
                                            "numinlets" : 2,
                                            "numoutlets" : 1,
                                            "outlettype" : [ "int" ],
                                            "patching_rect" :
[ 441.0, 635.0, 51.0, 20.0 ],
                                            "text" : "random"
                                        }

                                    }
,                                   {
```

```
                                        "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-33",
                                        "maxclass" : "newobj",
                                        "numinlets" : 1,
                                        "numoutlets" : 2,
                                        "outlettype" : [ "bang",
"int" ],
                                        "patching_rect" :
[ 501.0, 448.0, 32.5, 20.0 ],
                                        "text" : "t b i"
                                }

                            }
,                           {
                                "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-32",
                                        "maxclass" : "newobj",
                                        "numinlets" : 0,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 487.0, 336.0, 48.0, 20.0 ],
                                        "text" : "r slices"
                                }

                            }
,                           {
                                "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-31",
                                        "maxclass" : "number",
                                        "numinlets" : 1,
                                        "numoutlets" : 2,
                                        "outlettype" : [ "int",
"bang" ],
                                        "parameter_enable" : 0,
                                        "patching_rect" :
[ 486.5, 545.0, 50.0, 20.0 ]
                                }

                            }
,                           {
```

```
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-28",
                                        "maxclass" : "newobj",
                                        "numinlets" : 6,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 486.5, 504.0, 99.0, 20.0 ],
                                        "text" : "scale 1 127 1
$1"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "frgb" : 0.0,
                                        "id" : "obj-27",
                                        "maxclass" :
"comment",
                                        "numinlets" : 1,
                                        "numoutlets" : 0,
                                        "patching_rect" :
[ 487.0, 476.0, 97.0, 20.0 ],
                                        "text" : "antall toner i
coll"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "id" : "obj-24",
                                        "maxclass" : "button",
                                        "numinlets" : 1,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "bang" ],
                                        "patching_rect" :
[ 412.5, 387.0, 20.0, 20.0 ]
                                    }

                                }
,                               {
                                    "box" :
                                {
```

```
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-22",
                                    "maxclass" : "number",
                                    "numinlets" : 1,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "int",
"bang" ],
                                    "parameter_enable" : 0,
                                    "patching_rect" :
[ 426.5, 476.0, 50.0, 20.0 ]
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-15",
                                    "maxclass" : "newobj",
                                    "numinlets" : 1,
                                    "numoutlets" : 3,
                                    "outlettype" : [ "int",
"length", "int" ],
                                    "patching_rect" :
[ 412.5, 415.0, 70.0, 20.0 ],
                                    "text" : "t 1 length 2"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-14",
                                    "maxclass" : "newobj",
                                    "numinlets" : 2,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "", "" ],
                                    "patching_rect" : [ 91.0,
722.0, 54.0, 20.0 ],
                                    "text" : "gate 2 1"
                                }

                            }
,                           {
                                "box" :
                        {
```

```
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-4",
                                    "maxclass" : "newobj",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 412.5, 303.0, 131.0, 20.0 ],
                                    "text" : "r
start_cutup_playback"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-17",
                                    "maxclass" : "newobj",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 360.5, 191.0, 71.0, 20.0 ],
                                    "text" : "r next_note"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-16",
                                    "maxclass" : "number",
                                    "numinlets" : 1,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "int",
"bang" ],
                                    "parameter_enable" : 0,
                                    "patching_rect" :
[ 254.5, 330.0, 50.0, 20.0 ]
                                }

                            }
,                           {
                                "box" :
                        {
```

```
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-8",
                                    "maxclass" :
"message",
                                    "numinlets" : 2,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 197.0, 236.0, 61.0, 18.0 ],
                                    "text" : "0, 10 210"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-6",
                                    "maxclass" : "newobj",
                                    "numinlets" : 3,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "", "" ],
                                    "patching_rect" :
[ 197.0, 265.0, 46.0, 20.0 ],
                                    "text" : "line"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-5",
                                    "maxclass" :
"message",
                                    "numinlets" : 2,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 281.5, 275.0, 32.5, 18.0 ],
                                    "text" : "1"
                                }

                            }
,                           {
                                "box" :
                        {
```

```
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-2",
                                    "maxclass" : "newobj",
                                    "numinlets" : 5,
                                    "numoutlets" : 4,
                                    "outlettype" : [ "int", "",
"", "int" ],
                                    "patching_rect" :
[ 254.400024, 303.0, 73.0, 20.0 ],
                                    "text" : "counter"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-1",
                                    "maxclass" : "newobj",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 254.400024, 191.0, 95.0, 20.0 ],
                                    "text" : "r
start_playback"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "frgb" : 0.0,
                                    "id" : "obj-114",
                                    "maxclass" :
"comment",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" :
[ 184.900024, 128.0, 234.0, 20.0 ],
                                    "text" : "linje, tidfrastart,
pitch, dynamikk, varighet"
                                }

                            }
,                           {
```

```
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-99",
                                        "maxclass" :
"message",
                                        "numinlets" : 2,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 107.75, 161.0, 37.0, 18.0 ],
                                        "text" : "clear"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-97",
                                        "maxclass" : "newobj",
                                        "numinlets" : 0,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 107.75, 98.0, 53.0, 20.0 ],
                                        "text" : "r topack"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-96",
                                        "maxclass" : "newobj",
                                        "numinlets" : 0,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" : [ 91.5,
19.0, 55.0, 20.0 ],
                                        "text" : "r tobang"
                                    }

                                }
,                               {
                                    "box" :
```

```
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-95",
                                        "maxclass" : "newobj",
                                        "numinlets" : 1,
                                        "numoutlets" : 0,
                                        "patching_rect" : [ 22.5,
161.0, 63.0, 20.0 ],
                                        "text" : "print pack"
                                }

                            }
,                           {
                                "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-20",
                                        "maxclass" : "newobj",
                                        "numinlets" : 5,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" : [ 91.0,
128.0, 86.0, 20.0 ],
                                        "text" : "pack 0 0 0 0 0"
                                }

                            }
,                           {
                                "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-18",
                                        "maxclass" :
"message",
                                        "numinlets" : 2,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 157.149994, 44.0, 32.5, 18.0 ],
                                        "text" : "1"
                                }

                            }
,                           {
                                "box" :
                                {
                                        "fontname" : "Arial",
```

```
                                    "fontsize" : 12.0,
                                    "id" : "obj-12",
                                    "maxclass" : "newobj",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 279.5, 19.0, 82.0, 20.0 ],
                                    "text" : "r start_record"
                                }

                            }
,                           {
                                "box" :
                            {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-11",
                                    "maxclass" : "newobj",
                                    "numinlets" : 1,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "bang" ],
                                    "patching_rect" : [ 91.0,
44.0, 24.0, 20.0 ],
                                    "text" : "t b"
                                }

                            }
,                           {
                                "box" :
                            {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-10",
                                    "maxclass" : "newobj",
                                    "numinlets" : 5,
                                    "numoutlets" : 4,
                                    "outlettype" : [ "int", "",
"", "int" ],
                                    "patching_rect" : [ 91.0,
70.0, 152.0, 20.0 ],
                                    "text" : "counter"
                                }

                            }
,                           {
                                "box" :
                            {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
```

```
                                                "id" : "obj-9",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 4,
                                                "outlettype" : [ "", "", "",
"" ],
                                                "patching_rect" : [ 91.0,
677.0, 105.0, 20.0 ],
                                                "saved_object_attribute
s" :                                            {
                                                        "embed" : 0
                                                }

,                                               "text" : "coll
qvenilds_midi"
                                        }

                                }
,                               {
                                        "box" :
                        {
                                                "comment" : "",
                                                "id" : "obj-3",
                                                "maxclass" : "outlet",
                                                "numinlets" : 1,
                                                "numoutlets" : 0,
                                                "patching_rect" : [ 91.0,
776.0, 25.0, 25.0 ]
                                        }

                                }
 ],
                        "lines" : [
                {
                                        "patchline" :
                        {
                                                "destination" : [ "obj-5",
0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-1", 0 ]
                                        }

                                }
,                               {
                                        "patchline" :
                        {
                                                "destination" : [ "obj-8",
0 ],
                                                "disabled" : 0,
```

```
                "hidden" : 0,
                "source" : [ "obj-1", 0 ]
            }

        }
,       {
            "patchline" :
            {
                "destination" :
[ "obj-20", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "midpoints" : [ 100.5,
90.0, 100.5, 90.0 ],

                "source" : [ "obj-10", 0 ]
            }

        }
,       {
            "patchline" :
            {
                "destination" :
[ "obj-10", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "midpoints" : [ 100.5,
66.0, 100.5, 66.0 ],

                "source" : [ "obj-11", 0 ]
            }

        }
,       {
            "patchline" :
            {
                "destination" :
[ "obj-18", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "midpoints" : [ 289.0,
39.0, 166.649994, 39.0 ],

                "source" : [ "obj-12", 0 ]
            }

        }
,       {
            "patchline" :
            {
                "destination" :
[ "obj-99", 0 ],

                "disabled" : 0,
```

```
                                                    "hidden" : 0,
                                                    "midpoints" : [ 289.0,
77.0, 253.5, 77.0, 253.5, 171.0, 178.5, 171.0, 178.5, 216.0, 145.5, 216.0, 145.5,
213.0, 117.25, 213.0 ],
                                                    "source" : [ "obj-12", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                    "destination" : [ "obj-7",
1 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-13", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                    "destination" :
[ "obj-22", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-14", 1 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                    "destination" : [ "obj-3",
0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-14", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                    "destination" :
[ "obj-14", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-15", 2 ]
                                            }
```

```
                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-14", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-15", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" : [ "obj-9",
0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-15", 1 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" : [ "obj-9",
0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-16", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" : [ "obj-2",
0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-17", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
```

```
[ "obj-10", 2 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 166.649994, 63.0, 167.0, 63.0 ],
                                                    "source" : [ "obj-18", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-34", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-19", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-16", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "source" : [ "obj-2", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" : [ "obj-9",
0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" : [ 100.5,
288.0, 100.5, 288.0 ],
                                                    "source" : [ "obj-20", 0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-95", 0 ],
                                                    "disabled" : 0,
```

```
                                                "hidden" : 0,
                                                "midpoints" : [ 100.5,
150.0, 34.5, 150.0, 34.5, 156.0, 32.0, 156.0 ],
                                                "source" : [ "obj-20", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-28", 4 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-22", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-37", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-22", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-19", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-23", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                {
                                                "destination" :
[ "obj-15", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-24", 0 ]
                                            }
```

```
                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-41", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-24", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-29", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-25", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-73", 1 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-26", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-69", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-28", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                {
                                            "destination" :
[ "obj-48", 0 ],
```

```
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-29", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-13", 1 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-31", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-23", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-31", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-37", 1 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-31", 0 ]
                                    }

                                }
,                               {
                                    "patchline" :
                                {
                                        "destination" :
[ "obj-38", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-31", 0 ]
                                    }

                                }
```

```
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-76", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-32", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-22", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-33", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-28", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-33", 1 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-41", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-34", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                                    {
                                            "destination" :
[ "obj-83", 0 ],
                                            "disabled" : 0,
```

```
                                    "hidden" : 0,
                                    "source" : [ "obj-34", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                                {
                                    "destination" :
[ "obj-84", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-36", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                                {
                                    "destination" :
[ "obj-40", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-37", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                                {
                                    "destination" :
[ "obj-36", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-38", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                                {
                                    "destination" :
[ "obj-24", 0 ],

                                    "disabled" : 0,
                                    "hidden" : 0,
                                    "source" : [ "obj-4", 0 ]
                                }

                            }
,                           {
```

```
                                "patchline" :
                        {
                                "destination" :
[ "obj-75", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-4", 0 ]
                                }

                        }
,                       {
                                "patchline" :
                        {
                                "destination" :
[ "obj-36", 1 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-40", 0 ]
                                }

                        }
,                       {
                                "patchline" :
                        {
                                "destination" :
[ "obj-25", 2 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-41", 0 ]
                                }

                        }
,                       {
                                "patchline" :
                        {
                                "destination" :
[ "obj-13", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
                                "source" : [ "obj-43", 0 ]
                                }

                        }
,                       {
                                "patchline" :
                        {
                                "destination" :
[ "obj-61", 0 ],
                                "disabled" : 0,
                                "hidden" : 0,
```

```
                "source" : [ "obj-43", 0 ]
            }

        }
,       {
            "patchline" :
                {
                "destination" : [ "obj-7",
0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-43", 0 ]
            }

        }
,       {
            "patchline" :
                {
                "destination" :
[ "obj-44", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-45", 0 ]
            }

        }
,       {
            "patchline" :
                {
                "destination" : [ "obj-9",
0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-45", 0 ]
            }

        }
,       {
            "patchline" :
                {
                "destination" :
[ "obj-45", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-47", 0 ]
            }

        }
,       {
            "patchline" :
```

```
                                {
                                        "destination" :
[ "obj-19", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-48", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                            {
                                        "destination" : [ "obj-2",
2 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-5", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                            {
                                        "destination" : [ "obj-2",
0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-6", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                            {
                                        "destination" :
[ "obj-62", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-61", 0 ]
                                }

                            }
,                           {
                                "patchline" :
                            {
                                        "destination" :
[ "obj-64", 0 ],
                                        "disabled" : 0,
                                        "hidden" : 0,
                                        "source" : [ "obj-62", 0 ]
```

```
                }

            }
,           {
                "patchline" :
            {
                "destination" :
[ "obj-65", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-64", 0 ]
                }

            }
,           {
                "patchline" :
            {
                "destination" :
[ "obj-41", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-67", 0 ]
                }

            }
,           {
                "patchline" :
            {
                "destination" :
[ "obj-31", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-69", 0 ]
                }

            }
,           {
                "patchline" :
            {
                "destination" :
[ "obj-47", 0 ],

                "disabled" : 0,
                "hidden" : 0,
                "source" : [ "obj-7", 0 ]
                }

            }
,           {
                "patchline" :
            {
```

```
                                                "destination" :
[ "obj-72", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-70", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-73", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-72", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-25", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-73", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-73", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-75", 0 ]
                                            }

                                        }
,                                       {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-81", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-76", 0 ]
                                            }
```

```
                                    }
,                                   {
                                        "patchline" :
                {
                                            "destination" : [ "obj-6",
0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-8", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                {
                                            "destination" :
[ "obj-83", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-81", 1 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                {
                                            "destination" :
[ "obj-33", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-83", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                {
                                            "destination" :
[ "obj-67", 0 ],
                                            "disabled" : 0,
                                            "hidden" : 0,
                                            "source" : [ "obj-83", 0 ]
                                        }

                                    }
,                                   {
                                        "patchline" :
                {
                                            "destination" :
```

```
[ "obj-43", 0 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "source" : [ "obj-84", 0 ]
                                                    }

                                                }
,                                               {
                                                    "patchline" :
                                {
                                                        "destination" :
[ "obj-14", 1 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "source" : [ "obj-9", 0 ]
                                                    }

                                                }
,                                               {
                                                    "patchline" :
                                {
                                                        "destination" :
[ "obj-11", 0 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "midpoints" : [ 101.0,
39.0, 100.5, 39.0 ],
                                                        "source" : [ "obj-96", 0 ]
                                                    }

                                                }
,                                               {
                                                    "patchline" :
                                {
                                                        "destination" :
[ "obj-20", 1 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "source" : [ "obj-97", 0 ]
                                                    }

                                                }
,                                               {
                                                    "patchline" :
                                {
                                                        "destination" : [ "obj-9",
0 ],
                                                        "disabled" : 0,
                                                        "hidden" : 0,
                                                        "midpoints" : [ 117.25,
```

```
366.0, 100.5, 366.0 ],
                                                    "source" : [ "obj-99", 0 ]
                                                }

                                            }
 ]
                                }
,
                                "patching_rect" : [ 48.5, 575.5, 55.0, 20.0 ],
                                "saved_object_attributes" :
            {
                                        "default_fontface" : 0,
                                        "default_fontname" : "Arial",
                                        "default_fontsize" : 12.0,
                                        "description" : "",
                                        "digest" : "",
                                        "fontface" : 0,
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "globalpatchername" : "",
                                        "tags" : ""
                                }
,
                                "text" : "p collect"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-15",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 48.5, 667.5, 49.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 173.5, 185.5, 49.0, 20.0 ],
                                "text" : "midiout"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-14",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
```

```
"patcher" :                                 {
        "fileversion" : 1,
        "appversion" :
{
                "major" : 6,
                "minor" : 1,
                "revision" : 8,
                "architecture" : "x86"
        }
,
        "rect" : [ 29.0, 69.0, 640.0, 480.0 ],
        "bglocked" : 0,
        "openinpresentation" : 0,
        "default_fontsize" : 12.0,
        "default_fontface" : 0,
        "default_fontname" : "Arial",
        "gridonopen" : 0,
        "gridsize" : [ 15.0, 15.0 ],
        "gridsnaponopen" : 0,
        "statusbarvisible" : 2,
        "toolbarvisible" : 1,
        "boxanimatetime" : 200,
        "imprint" : 0,
        "enablehscroll" : 1,
        "enablevscroll" : 1,
        "devicewidth" : 0.0,
        "description" : "",
        "digest" : "",
        "tags" : "",
        "boxes" : [
{
                "box" :
        {
                "fontname" : "Arial",
                "fontsize" : 12.0,
                "id" : "obj-6",
                "maxclass" : "newobj",
                "numinlets" : 2,
                "numoutlets" : 2,
                "outlettype" : [ "", "" ],
                "patching_rect" : [ 50.0,
156.0, 41.0, 20.0 ],
                "text" : "zl join"
        }

        }
,       {
                "box" :
        {
                "fontname" : "Arial",
```

```
                                        "fontsize" : 12.0,
                                        "id" : "obj-5",
                                        "maxclass" : "number",
                                        "numinlets" : 1,
                                        "numoutlets" : 2,
                                        "outlettype" : [ "int",
"bang" ],
                                        "parameter_enable" : 0,
                                        "patching_rect" :
[ 397.200012, 150.0, 130.0, 20.0 ]
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-2",
                                        "maxclass" : "newobj",
                                        "numinlets" : 0,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 480.900024, 45.0, 81.0, 20.0 ],
                                        "text" : "r stop_record"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "id" : "obj-112",
                                        "maxclass" :
"message",
                                        "numinlets" : 2,
                                        "numoutlets" : 1,
                                        "outlettype" : [ "" ],
                                        "patching_rect" :
[ 423.950012, 99.0, 33.0, 18.0 ],
                                        "text" : "stop"
                                    }

                                }
,                               {
                                    "box" :
                                {
                                        "id" : "obj-105",
```

```
                                    "maxclass" : "button",
                                    "numinlets" : 1,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "bang" ],
                                    "patching_rect" :
[ 397.200012, 99.0, 20.0, 20.0 ]
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-103",
                                    "maxclass" : "newobj",
                                    "numinlets" : 2,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "float" ],
                                    "patching_rect" :
[ 397.200012, 127.0, 49.0, 20.0 ],
                                    "text" : "clocker"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-1",
                                    "maxclass" : "newobj",
                                    "numinlets" : 0,
                                    "numoutlets" : 1,
                                    "outlettype" : [ "" ],
                                    "patching_rect" :
[ 397.200012, 45.0, 82.0, 20.0 ],
                                    "text" : "r start_record"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-92",
                                    "maxclass" : "newobj",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
```

```
"patcher" :
{
	"fileversion" : 1,
	"appversion" :
	{
		"major" :
6,
		"minor" :
1,
		"revision"
: 8,
		"architect
ure" : "x86"
	}
,
	"rect" : [ 540.0,
290.0, 640.0, 480.0 ],
	"bglocked" : 0,
	"openinpresentat
ion" : 0,
	"default_fontsize
" : 12.0,
	"default_fontface
" : 0,
	"default_fontnam
e" : "Arial",
	"gridonopen" : 0,
	"gridsize" :
[ 15.0, 15.0 ],
	"gridsnaponopen
" : 0,
	"statusbarvisible"
: 2,
	"toolbarvisible" :
1,
	"boxanimatetime
" : 200,
	"imprint" : 0,
	"enablehscroll" :
1,
	"enablevscroll" :
1,
	"devicewidth" :
0.0,
	"description" : "",
	"digest" : "",
	"tags" : "",
	"boxes" : [
	{
		"bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
```

```
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
```

```
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
```

```
        "text" : "pack 0 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-63",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-61",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-58",
```

```
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
```

```
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
            "numoutlets" : 3,
            "outlettype" : [ "int", "int", "int" ],
            "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
            "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-21",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
            "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-81",
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                                }

                                                                        }
 ],
                                                                "lines" : [
                                                                {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],
        "source" : [ "obj-13", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-61", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],
        "source" : [ "obj-13", 0 ]
                                                                        }

                                                                }
,                                                               {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-57", 0 ],
        "disabled" : 0,
        "hidden" : 0,
```

```
        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-4", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],
        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-13", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],
        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-64", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-5", 2 ]
```

```
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
```

```
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                            "pa
tchline" :
        {
        "destination" : [ "obj-5", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
        "source" : [ "obj-81", 0 ]
                                                                            }

                                                                    }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 480.900024, 303.0, 53.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                    "default_fontface
" : 0,
                                                                    "default_fontnam
e" : "Arial",
                                                                    "default_fontsize
" : 12.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "fontface" : 0,
                                                                    "fontname" :
"Arial",
                                                                    "fontsize" : 12.0,
                                                                    "globalpatcherna
me" : "",
                                                                    "tags" : ""
                                                            }
,
                                                                    "text" : "p match"
                                                    }

                                                }
,                                                   {
                                                            "box" :
                                    {
```

"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-93",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 0,
"patcher" :
{
"fileversion" : 1,
"appversion" :
{
"major" :
6,
"minor" :
1,
"revision"
: 8,
"architect
ure" : "x86"
}
,
"rect" : [540.0,
290.0, 640.0, 480.0],
"bglocked" : 0,
"openinpresentat
ion" : 0,
"default_fontsize
" : 12.0,
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"gridonopen" : 0,
"gridsize" :
[15.0, 15.0],
"gridsnaponopen
" : 0,
"statusbarvisible"
: 2,
"toolbarvisible" :
1,
"boxanimatetime
" : 200,
"imprint" : 0,
"enablehscroll" :
1,
"enablevscroll" :
1,
"devicewidth" :
0.0,

```
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                            }
                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                            }
                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
```

```
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
```

```
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
            "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-63",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-61",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-81",
        "maxclass" : "inlet",
```

```
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],
        "source" : [ "obj-13", 0 ]
                                                                }
                                                            }
,                                                           {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-61", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],
        "source" : [ "obj-13", 0 ]
                                                                }
                                                            }
,                                                           {
                                                                "pa
tchline" :
        {
```

```
        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
            "destination" : [ "obj-64", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "source" : [ "obj-4", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-21", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

            "source" : [ "obj-47", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-13", 0 ],

            "disabled" : 0,

            "hidden" : 0,

            "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

            "source" : [ "obj-5", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
            {

            "destination" : [ "obj-64", 1 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-5", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],

        "source" : [ "obj-81", 0 ]
                                                                    }

                                                                }
 ]                                                          }

,                                                           "patching_rect" :
[ 439.900024, 324.0, 53.0, 20.0 ],

s" :                                                        "saved_object_attribute
                                                            {
" : 0,                                                          "default_fontface

e" : "Arial",                                                   "default_fontnam

" : 12.0,                                                       "default_fontsize

                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",

                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",

                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p match"
```

```
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                    {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-94",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 0,
                                                            "patcher" :
                                                    {
                                                                "fileversion" : 1,
                                                                "appversion" :
                                                                {
                                                                    "major" :
6,
                                                                    "minor" :
1,
                                                                    "revision"
: 8,
                                                                    "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
```

```
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                            }
                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                            }
                                                                    }
```

```
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
            "id" : "obj-64",
            "maxclass" : "newobj",
            "numinlets" : 4,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
            "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-63",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-61",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                        }
                                                                    }
```

```
,                                                                    {
                                                                         "bo
x" :                                                                     {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                         }
                                                                     }
,                                                                    {
                                                                         "bo
x" :                                                                     {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                         }
                                                                     }
,                                                                    {
                                                                         "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
        "text" : "match"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
```

```
        "comment" : "",

        "id" : "obj-81",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                        }

                                                                    }
```

```
,                                                                                {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
```

```
        {
        "destination" : [ "obj-64", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],
        "source" : [ "obj-58", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-58", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-58", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],
        "source" : [ "obj-63", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
```

"pa
tchline" :
{
"destination" : ["obj-6", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-69", 0]
}
}
,
{
"pa
tchline" :
{
"destination" : ["obj-5", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [101.5, 66.0, 101.5, 66.0],
"source" : ["obj-81", 0]
}
}
]
}
,
"patching_rect" :
[397.200012, 303.0, 53.0, 20.0],
"saved_object_attribute
s" :
{
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"default_fontsize
" : 12.0,
"description" : "",
"digest" : "",
"fontface" : 0,
"fontname" :
"Arial",
"fontsize" : 12.0,

```
                                                    "globalpatcherna
me" : "",
                                                    "tags" : ""
                                                }
,
                                                "text" : "p match"
                                            }

                                        }
,                                       {
                                            "box" :
                                {
                                                "fontname" : "Arial",
                                                "fontsize" : 12.0,
                                                "id" : "obj-88",
                                                "maxclass" : "newobj",
                                                "numinlets" : 1,
                                                "numoutlets" : 0,
                                                "patcher" :
                                        {
                                                    "fileversion" : 1,
                                                    "appversion" :
                                                    {
                                                        "major" :
6,
                                                        "minor" :
1,
                                                        "revision"
: 8,
                                                        "architect
ure" : "x86"
                                                    }
,
                                                    "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                                    "bglocked" : 0,
                                                    "openinpresentat
ion" : 0,
                                                    "default_fontsize
" : 12.0,
                                                    "default_fontface
" : 0,
                                                    "default_fontnam
e" : "Arial",
                                                    "gridonopen" : 0,
                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                    "gridsnaponopen
" : 0,
                                                    "statusbarvisible"
```

: 2,
"toolbarvisible" :
1,
"boxanimatetime
" : 200,
"imprint" : 0,
"enablehscroll" :
1,
"enablevscroll" :
1,
"devicewidth" :
0.0,
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
"bo
x" :
{
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-6",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 0,
"patching_rect" : [30.0, 294.0, 51.0, 20.0],
"text" : "print rot"
}
}
{
,
"bo
x" :
{
"id" : "obj-4",
"maxclass" : "button",
"numinlets" : 1,
"numoutlets" : 1,

```
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
```

```
,                                                                    {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
        "text" : "pack 0 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-63",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
```

```
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
```

```
        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-5",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }
```

}
, {
"bo
x" : {
"comment" : "",
"id" : "obj-81",
"maxclass" : "inlet",
"numinlets" : 0,
"numoutlets" : 1,
"outlettype" : [""],
"patching_rect" : [92.0, 40.0, 25.0, 25.0]
}
}
],
"lines" : [
{
"pa
tchline" :
{
"destination" : ["obj-21", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [101.5, 117.0, 101.5, 117.0],
"source" : ["obj-13", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-61", 0],
"disabled" : 0,

```
        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
```

```
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-64", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],
            "source" : [ "obj-58", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-58", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],
            "source" : [ "obj-61", 0 ]
                }
            }
        ,   {
                "pa
tchline" :
            {
            "destination" : [ "obj-58", 1 ],
            "disabled" : 0,
            "hidden" : 0,
            "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],
```

```
        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],
```

```
        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-6", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-5", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
        "source" : [ "obj-81", 0 ]
                                                                    }

                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 355.900024, 323.0, 53.0, 20.0 ],                          "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
```

```
                                                "description" : "",
                                                "digest" : "",
                                                "fontface" : 0,
                                                "fontname" :
"Arial",
                                                "fontsize" : 12.0,
                                                "globalpatcherna
me" : "",
                                                "tags" : ""
                                            }
,
                                            "text" : "p match"
                                        }

                                    }
,                                   {
                                        "box" :
                                {
                                            "fontname" : "Arial",
                                            "fontsize" : 12.0,
                                            "id" : "obj-89",
                                            "maxclass" : "newobj",
                                            "numinlets" : 1,
                                            "numoutlets" : 0,
                                            "patcher" :
                                    {
                                                "fileversion" : 1,
                                                "appversion" :
                                                {
                                                        "major" :
6,
                                                        "minor" :
1,
                                                        "revision"
: 8,
                                                        "architect
ure" : "x86"
                                                }
,
                                                "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                                "bglocked" : 0,
                                                "openinpresentat
ion" : 0,
                                                "default_fontsize
" : 12.0,
                                                "default_fontface
" : 0,
                                                "default_fontnam
e" : "Arial",
```

```
                                                                    "gridonopen" : 0,
                                                                    "gridsize" :
[ 15.0, 15.0 ],
                                                                    "gridsnaponopen
" : 0,
                                                                    "statusbarvisible"
: 2,
                                                                    "toolbarvisible" :
1,
                                                                    "boxanimatetime
" : 200,
                                                                    "imprint" : 0,
                                                                    "enablehscroll" :
1,
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                            }
                                                                    }
                                                                    {
,                                                                           "bo
x" :                                                                        {
        "id" : "obj-4",
```

```
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "box" :
                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
```

```
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
```

```
        "text" : "varighet, pitch, dynamikk"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-64",

        "maxclass" : "newobj",

        "numinlets" : 4,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],

        "text" : "pack 0 0 0 0"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "id" : "obj-63",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
```

```
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-81",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
```

```
        {
        "destination" : [ "obj-61", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],
        "source" : [ "obj-13", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-57", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],
        "source" : [ "obj-21", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
        "destination" : [ "obj-63", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],
        "source" : [ "obj-21", 0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "pa
```

```
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],
```

```
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],
        "source" : [ "obj-69", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-6", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-69", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-5", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
        "source" : [ "obj-81", 0 ]
                                                                    }
                                                                }
 ]
                                                            }
,
                                                            "patching_rect" :
[ 313.900024, 344.0, 53.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
```

```
                                "default_fontface
" : 0,
                                "default_fontnam
e" : "Arial",
                                "default_fontsize
" : 12.0,
                                "description" : "",
                                "digest" : "",
                                "fontface" : 0,
                                "fontname" :
"Arial",
                                "fontsize" : 12.0,
                                "globalpatcherna
me" : "",
                                "tags" : ""
                            }
,
                            "text" : "p match"
                        }

                    }
,                   {
                        "box" :
                {
                            "fontname" : "Arial",
                            "fontsize" : 12.0,
                            "id" : "obj-90",
                            "maxclass" : "newobj",
                            "numinlets" : 1,
                            "numoutlets" : 0,
                            "patcher" :
                {
                                "fileversion" : 1,
                                "appversion" :
                                {
                                    "major" :
6,
                                    "minor" :
1,
                                    "revision"
: 8,
                                    "architect
ure" : "x86"
                                }
,
                                "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                "bglocked" : 0,
                                "openinpresentat
ion" : 0,
```

```
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
        }
}
```

```
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "id" : "obj-4",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-2",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],

        "text" : "s topack"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-1",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
```

```
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
            "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-64",
            "maxclass" : "newobj",
            "numinlets" : 4,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
            "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-63",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
```

```
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
            "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "comment" : "",
            "id" : "obj-81",
            "maxclass" : "inlet",
            "numinlets" : 0,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
            {
            "destination" : [ "obj-21", 0 ],
            "disabled" : 0,
            "hidden" : 0,
            "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],
            "source" : [ "obj-13", 0 ]
```

```
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],
```

```
        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-64", 2 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-64", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-4", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],
        "source" : [ "obj-47", 0 ]
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
```

```
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                                }

                                                                            }
,                                                                           {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
```

, {
"pa
tchline" :
{
"destination" : ["obj-2", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [71.25, 294.0, 202.5, 294.0],
"source" : ["obj-69", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-6", 0],
"disabled" : 0,
"hidden" : 0,
"source" : ["obj-69", 0]
}
}
, {
"pa
tchline" :
{
"destination" : ["obj-5", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [101.5, 66.0, 101.5, 66.0],
"source" : ["obj-81", 0]
}
}
]

```
                                                                    }
,
                                                                    "patching_rect" :
[ 272.200012, 323.0, 53.0, 20.0 ],
                                                                    "saved_object_attribute
s" :                                                                {
                                                                        "default_fontface
" : 0,
                                                                        "default_fontnam
e" : "Arial",
                                                                        "default_fontsize
" : 12.0,
                                                                        "description" : "",
                                                                        "digest" : "",
                                                                        "fontface" : 0,
                                                                        "fontname" :
"Arial",
                                                                        "fontsize" : 12.0,
                                                                        "globalpatcherna
me" : "",
                                                                        "tags" : ""
                                                                    }
,
                                                                    "text" : "p match"
                                                                }

                                                            }
,                                                           {
                                                                "box" :
                                                    {
                                                                    "fontname" : "Arial",
                                                                    "fontsize" : 12.0,
                                                                    "id" : "obj-91",
                                                                    "maxclass" : "newobj",
                                                                    "numinlets" : 1,
                                                                    "numoutlets" : 0,
                                                                    "patcher" :
                                                            {
                                                                        "fileversion" : 1,
                                                                        "appversion" :
                                                                        {
                                                                            "major" :
6,
                                                                            "minor" :
1,
                                                                            "revision"
: 8,
                                                                            "architect
ure" : "x86"
                                                                        }
```

```
,
290.0, 640.0, 480.0 ],
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
"rect" : [ 540.0,
"bglocked" : 0,
"openinpresentat
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
        "bo
        {
```

```
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
        "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-63",
        "maxclass" : "button",
        "numinlets" : 1,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
```

```
,                                                                    {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
```

```
        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-21",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],

        "text" : "match"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "comment" : "",

        "id" : "obj-81",

        "maxclass" : "inlet",

        "numinlets" : 0,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }

                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "source" : [ "obj-5", 1 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],
```

```
        "source" : [ "obj-61", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-5", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
```

```
        "source" : [ "obj-81", 0 ]
                                                                    }

                                                                }
 ]                                                          }
,                                                           "patching_rect" :
[ 230.5, 303.0, 53.0, 20.0 ],                               "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p match"
                                                        }

                                                    }
,                                                   {
                                                        "box" :
                                        {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-86",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 0,
                                                            "patcher" :
                                                    {
                                                            "fileversion" : 1,
                                                            "appversion" :
                                                            {
                                                                "major" :
6,
                                                                "minor" :
```

```
1,
                                                                    "revision"
: 8,
                                                                    "architect
ure" : "x86"
                                                                }
,
                                                                "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                                                "bglocked" : 0,
                                                                "openinpresentat
ion" : 0,
                                                                "default_fontsize
" : 12.0,
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "gridonopen" : 0,
                                                                "gridsize" :
[ 15.0, 15.0 ],
                                                                "gridsnaponopen
" : 0,
                                                                "statusbarvisible"
: 2,
                                                                "toolbarvisible" :
1,
                                                                "boxanimatetime
" : 200,
                                                                "imprint" : 0,
                                                                "enablehscroll" :
1,
                                                                "enablevscroll" :
1,
                                                                "devicewidth" :
0.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "tags" : "",
                                                                "boxes" : [
                                                                {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-1",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],

        "text" : "s tobang"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-69",

        "maxclass" : "newobj",

        "numinlets" : 2,

        "numoutlets" : 2,

        "outlettype" : [ "", "" ],

        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],

        "text" : "zl rot -1"
                                                                        }

                                                                    }
,                                                                   {
                                                                        "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
        "text" : "pack 0 0 0 0"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
```

```
        "id" : "obj-63",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
```

```
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
```

```
        "text" : "r out2"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-13",

        "maxclass" : "message",

        "numinlets" : 2,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],

        "text" : "set $1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-5",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 3,

        "outlettype" : [ "int", "int", "int" ],

        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],

        "text" : "unpack 0 0 0"
                                                                    }
```

}
,
{
"bo
x" :
{
"fontname" : "Arial",
"fontsize" : 12.0,
"id" : "obj-21",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 1,
"outlettype" : [""],
"patching_rect" : [92.0, 138.0, 43.0, 20.0],
"text" : "match"
}
}
,
{
"bo
x" :
{
"comment" : "",
"id" : "obj-81",
"maxclass" : "inlet",
"numinlets" : 0,
"numoutlets" : 1,
"outlettype" : [""],
"patching_rect" : [92.0, 40.0, 25.0, 25.0]
}
}
],
"lines" : [
{
"pa

```
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                        }

                                                                    }
,                                                                   {
```

```
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-5", 0 ],
```

```
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
        "source" : [ "obj-81", 0 ]
                                                                    }
                                                                }
]
                                                            }
,
                                                            "patching_rect" :
[ 188.899994, 323.0, 53.0, 20.0 ],
                                                            "saved_object_attribute
s" :                                                        {
                                                                "default_fontface
" : 0,
                                                                "default_fontnam
e" : "Arial",
                                                                "default_fontsize
" : 12.0,
                                                                "description" : "",
                                                                "digest" : "",
                                                                "fontface" : 0,
                                                                "fontname" :
"Arial",
                                                                "fontsize" : 12.0,
                                                                "globalpatcherna
me" : "",
                                                                "tags" : ""
                                                            }
,
                                                            "text" : "p match"
                                                        }
                                                    }
,                                                   {
                                                        "box" :
                                                {
                                                            "fontname" : "Arial",
                                                            "fontsize" : 12.0,
                                                            "id" : "obj-85",
                                                            "maxclass" : "newobj",
                                                            "numinlets" : 1,
                                                            "numoutlets" : 0,
                                                            "patcher" :
                                                {
```

```
6,
1,
: 8,
ure" : "x86"
,
290.0, 640.0, 480.0 ],
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
x" :
"fileversion" : 1,
"appversion" :
{
    "major" :
    "minor" :
    "revision"
    "architect
}
"rect" : [ 540.0,
"bglocked" : 0,
"openinpresentat
"default_fontsize
"default_fontface
"default_fontnam
"gridonopen" : 0,
"gridsize" :
"gridsnaponopen
"statusbarvisible"
"toolbarvisible" :
"boxanimatetime
"imprint" : 0,
"enablehscroll" :
"enablevscroll" :
"devicewidth" :
"description" : "",
"digest" : "",
"tags" : "",
"boxes" : [
{
    "bo
    {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
```

```
            "numoutlets" : 0,
            "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
            "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-1",
            "maxclass" : "newobj",
            "numinlets" : 1,
            "numoutlets" : 0,
            "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
            "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-69",
            "maxclass" : "newobj",
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "", "" ],
            "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
```

```
        "text" : "zl rot -1"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "frgb" : 0.0,

        "id" : "obj-67",

        "maxclass" : "comment",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],

        "text" : "varighet, pitch, dynamikk"
                                                                    }

                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-64",

        "maxclass" : "newobj",

        "numinlets" : 4,

        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],

        "text" : "pack 0 0 0 0"
                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-63",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
```

```
            "numinlets" : 2,
            "numoutlets" : 2,
            "outlettype" : [ "float", "" ],
            "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
            "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-57",
            "maxclass" : "message",
            "numinlets" : 2,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
            "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "fontname" : "Arial",
            "fontsize" : 12.0,
            "id" : "obj-47",
            "maxclass" : "newobj",
            "numinlets" : 0,
```

```
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
```

```
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-81",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }
```

```
                                                                    }
 ],
                                                                "lines" : [
                                                                {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],
```

```
        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                                    }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                        }

                                                                    }
```

```
,                                                                                {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                                        }
```

```
                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                        }

                                                                    }
```

, {
"pa
tchline" :
{
"destination" : ["obj-5", 0],
"disabled" : 0,
"hidden" : 0,
"midpoints" : [101.5, 66.0, 101.5, 66.0],
"source" : ["obj-81", 0]
}
}
]
}
,
"patching_rect" :
[146.899994, 344.0, 53.0, 20.0],
"saved_object_attribute
s" :
{
"default_fontface
" : 0,
"default_fontnam
e" : "Arial",
"default_fontsize
" : 12.0,
"description" : "",
"digest" : "",
"fontface" : 0,
"fontname" :
"Arial",
"fontsize" : 12.0,
"globalpatcherna
me" : "",
"tags" : ""
}
,
"text" : "p match"
}
}
, {
"box" :
{
"fontname" : "Arial",
"fontsize" : 12.0,

```
"id" : "obj-84",
"maxclass" : "newobj",
"numinlets" : 1,
"numoutlets" : 0,
"patcher" :
{
    "fileversion" : 1,
    "appversion" :
    {
        "major" :
        "minor" :
        "revision"
        "architect
    }
    "rect" : [ 540.0,
    "bglocked" : 0,
    "openinpresentat
    "default_fontsize
    "default_fontface
    "default_fontnam
    "gridonopen" : 0,
    "gridsize" :
    "gridsnaponopen
    "statusbarvisible"
    "toolbarvisible" :
    "boxanimatetime
    "imprint" : 0,
    "enablehscroll" :
    "enablevscroll" :
    "devicewidth" :
    "description" : "",
    "digest" : "",
6,
1,
: 8,
ure" : "x86"
,
290.0, 640.0, 480.0 ],
ion" : 0,
" : 12.0,
" : 0,
e" : "Arial",
[ 15.0, 15.0 ],
" : 0,
: 2,
1,
" : 200,
1,
1,
0.0,
```

```
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {

        "fontname" : "Arial",

        "fontsize" : 12.0,

        "id" : "obj-6",

        "maxclass" : "newobj",

        "numinlets" : 1,

        "numoutlets" : 0,

        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],

        "text" : "print rot"
                                                                            }

                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {

        "id" : "obj-4",

        "maxclass" : "button",

        "numinlets" : 1,

        "numoutlets" : 1,

        "outlettype" : [ "bang" ],

        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                            }

                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {

        "fontname" : "Arial",

        "fontsize" : 12.0,
```

```
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
```

```
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
        "maxclass" : "newobj",
        "numinlets" : 4,
        "numoutlets" : 1,
```

```
        "outlettype" : [ "" ],
        "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
        "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-63",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "id" : "obj-61",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
```

```
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
```

```
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
        "id" : "obj-81",
        "maxclass" : "inlet",
        "numinlets" : 0,
```

```
        "numoutlets" : 1,

        "outlettype" : [ "" ],

        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                                    }

                                                                                }
 ],
                                                                            "lines" : [
                                                                            {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],

        "source" : [ "obj-13", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-61", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],

        "source" : [ "obj-13", 0 ]
                                                                                }

                                                                            }
,                                                                           {
                                                                                "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],
```

```
        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-4", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],

        "source" : [ "obj-47", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-13", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],

        "source" : [ "obj-5", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-64", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],

        "source" : [ "obj-58", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],

        "source" : [ "obj-61", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-58", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],

        "source" : [ "obj-63", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,
```

```
        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-6", 0 ],

        "disabled" : 0,
```

```
        "hidden" : 0,

        "source" : [ "obj-69", 0 ]
                                                                                    }

                                                                                }
,                                                                               {
                                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-5", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],

        "source" : [ "obj-81", 0 ]
                                                                                    }

                                                                                }
 ]                                                                          }

,                                                                           "patching_rect" :
[ 105.200012, 323.0, 53.0, 20.0 ],
                                                                            "saved_object_attribute
s" :                                                                        {
                                                                                "default_fontface
" : 0,
                                                                                "default_fontnam
e" : "Arial",
                                                                                "default_fontsize
" : 12.0,
                                                                                "description" : "",
                                                                                "digest" : "",
                                                                                "fontface" : 0,
                                                                                "fontname" :
"Arial",
                                                                                "fontsize" : 12.0,
                                                                                "globalpatcherna
me" : "",
                                                                                "tags" : ""
                                                                            }
,
                                                                            "text" : "p match"
                                                                        }
```

```
                                                }
,                                               {
                                                        "box" :
                                        {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-83",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 1,
                                                                "numoutlets" : 0,
                                                                "patcher" :
                                                {
                                                                        "fileversion" : 1,
                                                                        "appversion" :
                                                                        {
                                                                                "major" :
6,
                                                                                "minor" :
1,
                                                                                "revision"
: 8,
                                                                                "architect
ure" : "x86"
                                                                        }
,
                                                                        "rect" : [ 540.0,
290.0, 640.0, 480.0 ],
                                                                        "bglocked" : 0,
                                                                        "openinpresentat
ion" : 0,
                                                                        "default_fontsize
" : 12.0,
                                                                        "default_fontface
" : 0,
                                                                        "default_fontnam
e" : "Arial",
                                                                        "gridonopen" : 0,
                                                                        "gridsize" :
[ 15.0, 15.0 ],
                                                                        "gridsnaponopen
" : 0,
                                                                        "statusbarvisible"
: 2,
                                                                        "toolbarvisible" :
1,
                                                                        "boxanimatetime
" : 200,
                                                                        "imprint" : 0,
                                                                        "enablehscroll" :
1,
```

```
                                                                    "enablevscroll" :
1,
                                                                    "devicewidth" :
0.0,
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "tags" : "",
                                                                    "boxes" : [
                                                                    {
                                                                            "bo
x" :                                                                        {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-6",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 30.0, 294.0, 51.0, 20.0 ],
        "text" : "print rot"
                                                                            }
                                                                    }
,                                                                   {
                                                                            "bo
x" :                                                                        {
        "id" : "obj-4",
        "maxclass" : "button",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "bang" ],
        "patching_rect" : [ 20.0, 117.0, 20.0, 20.0 ]
                                                                            }
                                                                    }
,                                                                   {
                                                                            "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-2",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 193.0, 308.0, 55.0, 20.0 ],
        "text" : "s topack"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-1",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 108.0, 307.0, 57.0, 20.0 ],
        "text" : "s tobang"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
```

```
        "id" : "obj-69",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "", "" ],
        "patching_rect" : [ 61.75, 227.0, 51.0, 20.0 ],
        "text" : "zl rot -1"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "frgb" : 0.0,
        "id" : "obj-67",
        "maxclass" : "comment",
        "numinlets" : 1,
        "numoutlets" : 0,
        "patching_rect" : [ 223.0, 199.0, 143.0, 20.0 ],
        "text" : "varighet, pitch, dynamikk"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-64",
```

```
            "maxclass" : "newobj",
            "numinlets" : 4,
            "numoutlets" : 1,
            "outlettype" : [ "" ],
            "patching_rect" : [ 61.75, 199.0, 154.0, 20.0 ],
            "text" : "pack 0 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-63",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 67.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
            "id" : "obj-61",
            "maxclass" : "button",
            "numinlets" : 1,
            "numoutlets" : 1,
            "outlettype" : [ "bang" ],
            "patching_rect" : [ 50.0, 118.0, 20.0, 20.0 ]
                                                                    }
                                                                }
```

```
,                                                                    {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-58",
        "maxclass" : "newobj",
        "numinlets" : 2,
        "numoutlets" : 2,
        "outlettype" : [ "float", "" ],
        "patching_rect" : [ 50.0, 140.0, 37.0, 20.0 ],
        "text" : "timer"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-57",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 144.5, 140.0, 37.0, 18.0 ],
        "text" : "set a"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
```

```
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-47",
        "maxclass" : "newobj",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 142.5, 98.0, 41.0, 20.0 ],
        "text" : "r out2"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-13",
        "maxclass" : "message",
        "numinlets" : 2,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 98.0, 43.0, 18.0 ],
        "text" : "set $1"
                                                                        }
                                                                    }
,                                                                   {
                                                                        "bo
x" :                                                                    {
```

```
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-5",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 3,
        "outlettype" : [ "int", "int", "int" ],
        "patching_rect" : [ 92.0, 70.0, 79.0, 20.0 ],
        "text" : "unpack 0 0 0"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "fontname" : "Arial",
        "fontsize" : 12.0,
        "id" : "obj-21",
        "maxclass" : "newobj",
        "numinlets" : 1,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 138.0, 43.0, 20.0 ],
        "text" : "match"
                                                                    }
                                                                }
,                                                               {
                                                                    "bo
x" :                                                                {
        "comment" : "",
```

```
        "id" : "obj-81",
        "maxclass" : "inlet",
        "numinlets" : 0,
        "numoutlets" : 1,
        "outlettype" : [ "" ],
        "patching_rect" : [ 92.0, 40.0, 25.0, 25.0 ]
                                                                    }
                                                                }
 ],
                                                            "lines" : [
                                                            {
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 101.5, 117.0 ],
        "source" : [ "obj-13", 0 ]
                                                                }
                                                            }
                                                            {
,
                                                                "pa
tchline" :
        {
        "destination" : [ "obj-61", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 117.0, 87.0, 117.0, 87.0, 114.0, 59.5, 114.0 ],
        "source" : [ "obj-13", 0 ]
                                                                }
                                                            }
```

```
,                                                                                {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-57", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 141.0, 159.0, 141.0, 135.0, 154.0, 135.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-63", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 101.5, 159.0, 87.0, 159.0, 87.0, 114.0, 76.5, 114.0 ],

        "source" : [ "obj-21", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
                                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 2 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-21", 0 ]
                                                                                        }

                                                                                }
,                                                                               {
```

```
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-64", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-4", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-21", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 152.0, 120.0, 101.5, 120.0 ],
        "source" : [ "obj-47", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-13", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 90.0, 101.5, 90.0 ],
        "source" : [ "obj-5", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
```

```
tchline" :
        {

        "destination" : [ "obj-64", 1 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 2 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-64", 3 ],

        "disabled" : 0,

        "hidden" : 0,

        "source" : [ "obj-5", 1 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {

        "destination" : [ "obj-21", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 154.0, 159.0, 135.0, 159.0, 135.0, 135.0, 101.5, 135.0 ],

        "source" : [ "obj-57", 0 ]
                                                                        }

                                                                    }
,                                                                   {
                                                                        "pa
tchline" :
        {
```

```
        "destination" : [ "obj-64", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 59.5, 192.0, 71.25, 192.0 ],
        "source" : [ "obj-58", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-58", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 59.5, 138.0, 59.5, 138.0 ],
        "source" : [ "obj-61", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-58", 1 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 76.5, 138.0, 77.5, 138.0 ],
        "source" : [ "obj-63", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
```

```
        "destination" : [ "obj-69", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 219.0, 71.25, 219.0 ],

        "source" : [ "obj-64", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-1", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 117.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {

        "destination" : [ "obj-2", 0 ],

        "disabled" : 0,

        "hidden" : 0,

        "midpoints" : [ 71.25, 294.0, 202.5, 294.0 ],

        "source" : [ "obj-69", 0 ]
                                                                    }

                                                                }
,                                                               {
                                                                    "pa
tchline" :
```

```
        {
        "destination" : [ "obj-6", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "source" : [ "obj-69", 0 ]
                                                                    }
                                                                }
,                                                               {
                                                                    "pa
tchline" :
        {
        "destination" : [ "obj-5", 0 ],
        "disabled" : 0,
        "hidden" : 0,
        "midpoints" : [ 101.5, 66.0, 101.5, 66.0 ],
        "source" : [ "obj-81", 0 ]
                                                                    }
 ]                                                              }
,                                                               "patching_rect" : [ 63.5,
303.0, 53.0, 20.0 ],
s" :                                                            "saved_object_attribute
                                                                {
" : 0,                                                              "default_fontface
e" : "Arial",                                                       "default_fontnam
" : 12.0,                                                           "default_fontsize
                                                                    "description" : "",
                                                                    "digest" : "",
                                                                    "fontface" : 0,
"Arial",                                                            "fontname" :
                                                                    "fontsize" : 12.0,
me" : "",                                                           "globalpatcherna
```

```
                                    "tags" : ""
                                }
,
                                    "text" : "p match"
                                }

                            }
,                           {
                                "box" :
                    {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-46",
                                    "maxclass" : "newobj",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" :
[ 224.5, 182.0, 43.0, 20.0 ],
                                    "text" : "s out2"
                                }

                            }
,                           {
                                "box" :
                    {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "frgb" : 0.0,
                                    "id" : "obj-42",
                                    "maxclass" :
"comment",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
                                    "patching_rect" :
[ 274.0, 182.0, 73.0, 20.0 ],
                                    "text" : "stoppunkter"
                                }

                            }
,                           {
                                "box" :
                    {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "frgb" : 0.0,
                                    "id" : "obj-40",
                                    "maxclass" :
"comment",
                                    "numinlets" : 1,
                                    "numoutlets" : 0,
```

```
                                    "patching_rect" : [ 81.0,
182.0, 74.0, 20.0 ],
                                    "text" : "startpunkter"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-3",
                                    "maxclass" : "newobj",
                                    "numinlets" : 2,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "", "" ],
                                    "patching_rect" : [ 50.0,
128.0, 193.0, 20.0 ],
                                    "text" : "if $i2 > 0 then
$i1 $i2 else out2 $i1"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-25",
                                    "maxclass" : "newobj",
                                    "numinlets" : 1,
                                    "numoutlets" : 2,
                                    "outlettype" : [ "",
"bang" ],
                                    "patching_rect" : [ 50.0,
182.0, 32.5, 20.0 ],
                                    "text" : "t l b"
                                }

                            }
,                           {
                                "box" :
                        {
                                    "fontname" : "Arial",
                                    "fontsize" : 12.0,
                                    "id" : "obj-24",
                                    "maxclass" : "newobj",
                                    "numinlets" : 5,
                                    "numoutlets" : 4,
                                    "outlettype" : [ "int", "",
```

```
"", "int" ],
                                                                "patching_rect" : [ 63.5,
234.0, 86.0, 20.0 ],
                                                                "text" : "counter 0 1 11"
                                                            }

                                                        }
,                                                       {
                                                            "box" :
                                    {
                                                                "fontname" : "Arial",
                                                                "fontsize" : 12.0,
                                                                "id" : "obj-23",
                                                                "maxclass" : "newobj",
                                                                "numinlets" : 2,
                                                                "numoutlets" : 11,
                                                                "outlettype" : [ "", "", "",
"", "", "", "", "", "", "", "", "" ],
                                                                "patching_rect" : [ 63.5,
265.0, 436.0, 20.0 ],
                                                                "text" : "gate 11"
                                                            }

                                                        }
,                                                       {
                                                            "box" :
                                    {
                                                                "comment" : "",
                                                                "id" : "obj-13",
                                                                "maxclass" : "inlet",
                                                                "numinlets" : 0,
                                                                "numoutlets" : 1,
                                                                "outlettype" : [ "" ],
                                                                "patching_rect" : [ 50.0,
40.0, 25.0, 25.0 ]
                                                            }

                                                        }
 ],
                                            "lines" : [
                {
                                                            "patchline" :
                                    {
                                                                "destination" :
[ "obj-105", 0 ],
                                                                "disabled" : 0,
                                                                "hidden" : 0,
                                                                "midpoints" :
[ 406.700012, 66.0, 406.700012, 66.0 ],
                                                                "source" : [ "obj-1", 0 ]
```

```
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" : [ "obj-5",
0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 406.700012, 147.0, 406.700012, 147.0 ],
                                                    "source" : [ "obj-103",
0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-103", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 406.700012, 120.0, 406.700012, 120.0 ],
                                                    "source" : [ "obj-105",
0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-103", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 433.450012, 117.0, 417.0, 117.0, 417.0, 120.0, 406.700012, 120.0 ],
                                                    "source" : [ "obj-112",
0 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" : [ "obj-3",
0 ],
```

```
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "source" : [ "obj-13", 0 ]
                                            }

                                    }
,                                   {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-112", 0 ],

                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "midpoints" :
[ 490.400024, 84.0, 433.450012, 84.0 ],
                                                "source" : [ "obj-2", 0 ]
                                            }

                                    }
,                                   {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-83", 0 ],

                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "midpoints" : [ 73.0,
285.0, 73.0, 285.0 ],
                                                "source" : [ "obj-23", 0 ]
                                            }

                                    }
,                                   {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-84", 0 ],
                                                "disabled" : 0,
                                                "hidden" : 0,
                                                "midpoints" :
[ 114.699997, 300.0, 117.0, 300.0, 117.0, 318.0, 114.700012, 318.0 ],
                                                "source" : [ "obj-23", 1 ]
                                            }

                                    }
,                                   {
                                            "patchline" :
                                    {
                                                "destination" :
[ "obj-85", 0 ],
```

```
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 156.399994, 318.0, 159.0, 318.0, 159.0, 339.0, 156.399994, 339.0 ],
                                                    "source" : [ "obj-23", 2 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-86", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 198.100006, 285.0, 198.399994, 285.0 ],
                                                    "source" : [ "obj-23", 3 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-88", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 364.899994, 285.0, 365.400024, 285.0 ],
                                                    "source" : [ "obj-23", 7 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-89", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 323.200012, 309.0, 327.0, 309.0, 327.0, 339.0, 323.400024, 339.0 ],
                                                    "source" : [ "obj-23", 6 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
```

```
                                                    "destination" :
[ "obj-90", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" : [ 281.5,
300.0, 285.0, 300.0, 285.0, 318.0, 281.700012, 318.0 ],
                                                    "source" : [ "obj-23", 5 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-91", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 239.800003, 300.0, 240.0, 300.0 ],
                                                    "source" : [ "obj-23", 4 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-92", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" : [ 490.0,
285.0, 490.400024, 285.0 ],
                                                    "source" : [ "obj-23",
10 ]
                                                }

                                            }
,                                           {
                                                "patchline" :
                                    {
                                                    "destination" :
[ "obj-93", 0 ],
                                                    "disabled" : 0,
                                                    "hidden" : 0,
                                                    "midpoints" :
[ 448.299988, 300.0, 450.0, 300.0, 450.0, 321.0, 449.400024, 321.0 ],
                                                    "source" : [ "obj-23", 9 ]
                                                }

                                            }
```

```
,                                                   {
                                                        "patchline" :
                                    {
                                                            "destination" :
[ "obj-94", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "midpoints" :
[ 406.600006, 285.0, 406.700012, 285.0 ],
                                                            "source" : [ "obj-23", 8 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                    {
                                                            "destination" :
[ "obj-23", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "midpoints" : [ 73.0,
255.0, 73.0, 255.0 ],
                                                            "source" : [ "obj-24", 0 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                    {
                                                            "destination" :
[ "obj-23", 1 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "midpoints" : [ 59.5,
219.0, 490.0, 219.0 ],
                                                            "source" : [ "obj-25", 0 ]
                                                        }

                                                    }
,                                                   {
                                                        "patchline" :
                                    {
                                                            "destination" :
[ "obj-24", 0 ],
                                                            "disabled" : 0,
                                                            "hidden" : 0,
                                                            "midpoints" : [ 73.0,
204.0, 73.0, 204.0 ],
                                                            "source" : [ "obj-25", 1 ]
                                                        }
```

```
                                                }
,                                               {
                                                        "patchline" :
                                {
                                                                "destination" :
[ "obj-46", 0 ],
                                                                "disabled" : 0,
                                                                "hidden" : 0,
                                                                "midpoints" : [ 233.5,
177.0, 234.0, 177.0 ],
                                                                "source" : [ "obj-3", 1 ]
                                                        }

                                                }
,                                               {
                                                        "patchline" :
                                {
                                                                "destination" : [ "obj-6",
0 ],
                                                                "disabled" : 0,
                                                                "hidden" : 0,
                                                                "midpoints" : [ 59.5,
150.0, 59.5, 150.0 ],
                                                                "source" : [ "obj-3", 0 ]
                                                        }

                                                }
,                                               {
                                                        "patchline" :
                                {
                                                                "destination" : [ "obj-6",
1 ],
                                                                "disabled" : 0,
                                                                "hidden" : 0,
                                                                "midpoints" :
[ 406.700012, 171.0, 357.0, 171.0, 357.0, 159.0, 93.0, 159.0, 93.0, 153.0, 81.5,
153.0 ],
                                                                "source" : [ "obj-5", 0 ]
                                                        }

                                                }
,                                               {
                                                        "patchline" :
                                {
                                                                "destination" :
[ "obj-25", 0 ],
                                                                "disabled" : 0,
                                                                "hidden" : 0,
                                                                "midpoints" : [ 59.5,
```

```
177.0, 59.5, 177.0 ],
                                                    "source" : [ "obj-6", 0 ]
                                                }

                                            }
 ]
                                }
,
                                "patching_rect" : [ 48.5, 549.0, 112.0, 20.0 ],
                                "saved_object_attributes" :
            {
                                        "default_fontface" : 0,
                                        "default_fontname" : "Arial",
                                        "default_fontsize" : 12.0,
                                        "description" : "",
                                        "digest" : "",
                                        "fontface" : 0,
                                        "fontname" : "Arial",
                                        "fontsize" : 12.0,
                                        "globalpatchername" : "",
                                        "tags" : ""
                                }
,
                                "text" : "p innpunkt_utpunkt"
                            }

                        }
,                       {
                            "box" :                             {
                                "id" : "obj-109",
                                "maxclass" : "button",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "bang" ],
                                "patching_rect" : [ 818.0, 4.0, 50.0, 50.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 434.0, 43.0, 50.0, 50.0 ]
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-106",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 818.0, 66.0, 83.0, 20.0 ],
                                "presentation" : 1,
```

```
                                "presentation_rect" : [ 434.0, 105.0, 83.0, 20.0 ],
                                "text" : "s stop_record"
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-102",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 0,
                                "patching_rect" : [ 718.0, 66.0, 84.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 334.0, 105.0, 84.0, 20.0 ],
                                "text" : "s start_record"
                            }

                        }
,                       {
                            "box" :                             {
                                "id" : "obj-101",
                                "maxclass" : "button",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "bang" ],
                                "patching_rect" : [ 718.0, 4.0, 50.0, 50.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 334.0, 43.0, 50.0, 50.0 ]
                            }

                        }
,                       {
                            "box" :                             {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-2",
                                "items" : [ "AU DLS Synth 1", ",", "CME U2MIDI",
",", "nanoKONTROL2 CTRL", ",", "from Max 1", ",", "from Max 2", ",", "Kenton
Killamix Mini", ",", "USB Axiom 25 Port 1" ],
                                "maxclass" : "umenu",
                                "numinlets" : 1,
                                "numoutlets" : 3,
                                "outlettype" : [ "int", "", "" ],
                                "parameter_enable" : 0,
                                "patching_rect" : [ 213.5, 50.0, 130.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 170.5, 73.0, 130.0, 20.0 ]
                            }
```

```
                }
,               {
                        "box" :                                 {
                                "id" : "obj-19",
                                "maxclass" : "button",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "bang" ],
                                "patching_rect" : [ 213.5, 4.0, 20.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 170.5, 20.0, 20.0, 20.0 ]
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-17",
                                "maxclass" : "newobj",
                                "numinlets" : 2,
                                "numoutlets" : 1,
                                "outlettype" : [ "" ],
                                "patching_rect" : [ 213.5, 27.0, 52.0, 20.0 ],
                                "presentation" : 1,
                                "presentation_rect" : [ 170.5, 43.0, 52.0, 20.0 ],
                                "text" : "midiinfo"
                        }

                }
,               {
                        "box" :                                 {
                                "fontname" : "Arial",
                                "fontsize" : 12.0,
                                "id" : "obj-1",
                                "maxclass" : "newobj",
                                "numinlets" : 1,
                                "numoutlets" : 1,
                                "outlettype" : [ "int" ],
                                "patching_rect" : [ 269.0, 76.0, 42.0, 20.0 ],
                                "text" : "midiin"
                        }

                }
],
        "lines" : [                     {
                        "patchline" :                           {
                                "destination" : [ "obj-82", 0 ],
                                "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-1", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-102", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "midpoints" : [ 727.5, 54.0, 727.5, 54.0 ],
                        "source" : [ "obj-101", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-106", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "midpoints" : [ 827.5, 54.0, 827.5, 54.0 ],
                        "source" : [ "obj-109", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-10", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-11", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-13", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-12", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-2", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "midpoints" : [ 223.0, 48.0, 223.0, 48.0 ],
                        "source" : [ "obj-17", 0 ]
```

```
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-20", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-18", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-17", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "midpoints" : [ 223.0, 24.0, 223.0, 24.0 ],
                    "source" : [ "obj-19", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-1", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "midpoints" : [ 278.5, 72.0, 278.5, 72.0 ],
                    "source" : [ "obj-2", 1 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-39", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-22", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-25", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-23", 0 ]
                }

            }
```

```
, 		{
			"patchline" : 		{
				"destination" : [ "obj-32", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-25", 0 ]
			}

		}
, 		{
			"patchline" : 		{
				"destination" : [ "obj-40", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-26", 0 ]
			}

		}
, 		{
			"patchline" : 		{
				"destination" : [ "obj-22", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-27", 0 ]
			}

		}
, 		{
			"patchline" : 		{
				"destination" : [ "obj-26", 1 ],
				"disabled" : 0,
				"hidden" : 0,
				"midpoints" : [ 901.5, 330.5, 936.0, 330.5, 936.0,
402.5, 921.0, 402.5 ],
				"source" : [ "obj-27", 1 ]
			}

		}
, 		{
			"patchline" : 		{
				"destination" : [ "obj-30", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-28", 0 ]
			}

		}
, 		{
			"patchline" : 		{
				"destination" : [ "obj-22", 0 ],
```

```
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-30", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-27", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-31", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-22", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-32", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-26", 1 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-32", 1 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-45", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-34", 0 ]
                }

            }
,           {
                "patchline" :                   {
                    "destination" : [ "obj-26", 0 ],
                    "disabled" : 0,
                    "hidden" : 0,
                    "source" : [ "obj-39", 0 ]
                }
```

```
                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-44", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-42", 0 ]
                    }

                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-22", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-44", 0 ]
                    }

                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-87", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-5", 0 ]
                    }

                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-36", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-7", 1 ]
                    }

                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-37", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-7", 2 ]
                    }

                }
,               {
                    "patchline" :                   {
                        "destination" : [ "obj-9", 0 ],
                        "disabled" : 0,
```

```
                        "hidden" : 0,
                        "source" : [ "obj-7", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-14", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-81", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-7", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-81", 1 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-88", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-81", 2 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-45", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
,               {
                    "patchline" :                       {
                        "destination" : [ "obj-81", 0 ],
                        "disabled" : 0,
                        "hidden" : 0,
                        "source" : [ "obj-82", 0 ]
                    }

                }
```

```
,		{
			"patchline" :		{
				"destination" : [ "obj-15", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-87", 0 ]
			}

		}
,		{
			"patchline" :		{
				"destination" : [ "obj-101", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-88", 0 ]
			}

		}
,		{
			"patchline" :		{
				"destination" : [ "obj-109", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-88", 1 ]
			}

		}
,		{
			"patchline" :		{
				"destination" : [ "obj-11", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-88", 2 ]
			}

		}
,		{
			"patchline" :		{
				"destination" : [ "obj-12", 0 ],
				"disabled" : 0,
				"hidden" : 0,
				"source" : [ "obj-88", 3 ]
			}

		}
,		{
			"patchline" :		{
				"destination" : [ "obj-18", 0 ],
				"disabled" : 0,
				"hidden" : 0,
```

```
                                        "source" : [ "obj-88", 4 ]
                                    }

                                }
    ],
                "dependency_cache" : [  ]
            }

    }
```