

# cell

## Summary

audio visual poetic language

version: 0.1

date: 110421

## Summary

cell is an esoteric programming language made to create short audio visual poems.

cell programs are written by placing letters on a 10x10 grid with each cell of the grid containing one letter only. One can write a letter to a specific cell by specifying its (x,y) coordinates using predetermined unicode symbols in place of numbers. This way, a letter can be selected by its alphabetical order number.

cell uses a base 10 numbering system starting from 0.

audio can also be generated by writing dedicated symbols on the same grid, each cell holding a single oscillator pulse with a specific frequency and ADSR envelope parameters.

## OP

Coordinates

COORD	X	Y
OP	–	

## Numbers

<b>NUM</b>	0	1	2	3	4	5	6	7	8	9
<b>OP</b>	●	○	◐	÷	▣	▶	↩	L	◆	◎

## Operations

<b>CMD</b>	+	-	*	/
<b>OP</b>	±	≈	∞	∈

## Commands

<b>CMD</b>	START	EOL	DEF	JMP
<b>OP</b>	∴	∴	∴	↪

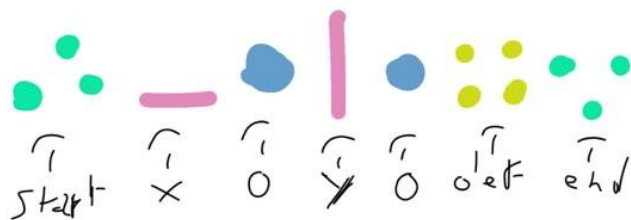
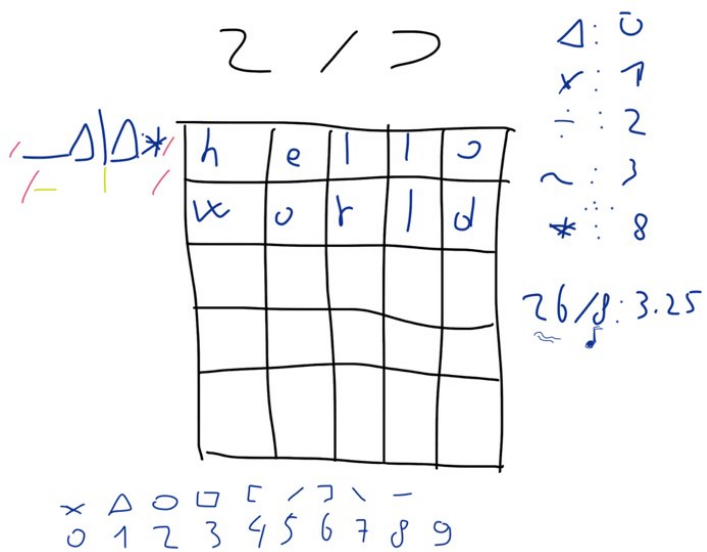
## Oscillators

<b>OSC</b>	sine	square	sawtooth	triangle
<b>OP</b>	~	■	≈	▲

Sequencer

???

## Examples



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. . _ • | • • • ♦ . .
. . _ ○ | • • • ► . .
. . _ △ | • • • ○ △ . .
. . _ ÷ | • • • ○ ∞ ~ . .
. . _ □ | • • • ○ ► . .
. . _ • | ○ • • △ ÷ . .
. . _ ○ | ○ • • ○ ► . .
. . _ △ | ○ • • ○ ♦ . .
. . _ ÷ | ○ • • ○ △ . .
. . _ □ | ○ • • □ . .

```

h	e	l	l	o						
w	o	r	l	d						

## Ideas

audio and text can be used as modulation sources both ways e.g. to change a group of letters style from gain or to transpose a note by “patching” a letter from another cell.