

6 CelAut Manual

Example files in directory *Celaut/examples*

2dca.c	A 2D cellular automata example for you to use as a template
vote.c	Voting Rule
prime.c	Modulo Prime
giraffe	Pattern file for modulo prime rule

Running a cellular automata simulation

Open a terminal and change directory to the CelAut folder. Enter the following commands:

```
mkdir $HOME/bin
mkdir $HOME/lib
make install
cp $HOME/bin/celaut $HOME/Desktop/CelAut2011 (move the compiled 'celaut' file to the celaut folder)
```

Now that the program is up to date, add the following line before the last two lines of celaut in the CelAut2011 folder:

```
export CELAUTLIB=$g
cd examples
make $m
./$m
```

and save. Type `./celaut -o [MY CA]` to compile and run your CA. For example:

```
celaut -o 2dca (-o voor "single layer")
```

The software responds:

Enter control:

Now type `q` (enter) or `CTRL-C` to exit the program. Type: `h` or `?` for a list of control codes.

Start the simulation of the CA by typing `c`.

To stop the simulation and choose an alternative control code, double-click on the graphics window.