

Life – an RFO-BASIC! implementation of Conway's Game Of Live.

This game consists of a collection of cells which, based on a few mathematical rules, can live, die or multiply. It's not a real game, because it's evolution only depends on the initial conditions. The cells form various patterns throughout the course of the 'game'.

Please see http://en.wikipedia.org/wiki/Conway's_Game_of_Life to find out more.

The rules are as follows:

For a cell present (or 'living') in the grid:

A cell with less than two neighbours dies (as if by loneliness).

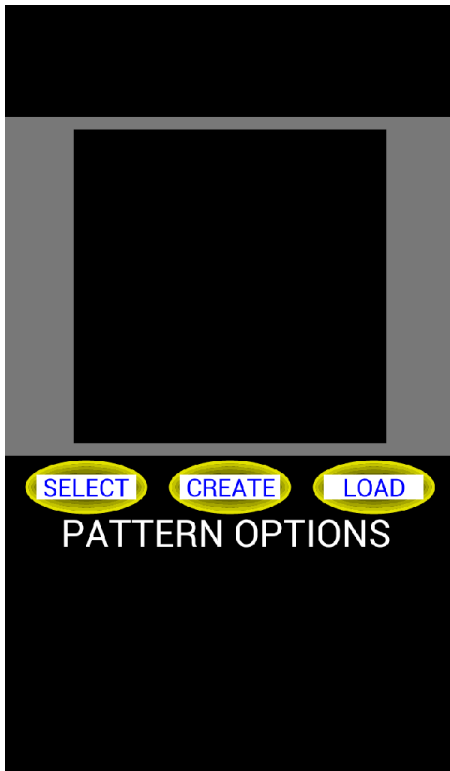
A cell with more than three neighbours dies (as if by overpopulation).

A cell with two or three neighbours will survive and 'live' in the next generation.

For a cell not present (or 'dead') in the grid:

A cell with three neighbours becomes 'alive'.

The app. Starts with a number of options to choose from.

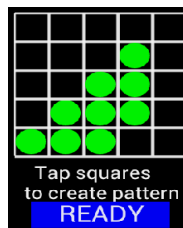


1. Select

Tap on this button to select a build in starting cell pattern. You are offered 7 patterns:

1. a long living pattern
2. a so-called oscillator
3. a so-called spaceship
4. a pattern which stabilizes after 9 generations
5. a pattern which starts oscillating after 12 generations
6. a pattern which ends with both a stable and an oscillating part after 26 generations

2. Create



Pops up this grid in which you can create your own pattern by tapping in it (toggles).

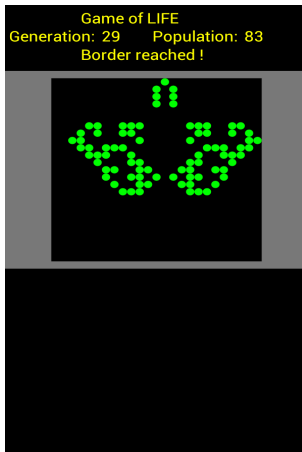
3. Load

Pick up a previously saved pattern

After choosing an option the 'game' starts with the question how much generations will be created at maximum. The grid size, pattern size and max. generations dictate the speed of the game. A default of 50 generations is offered, because speed may decrease dramatically if a lot more are chosen.

The game will stop because of one of four reasons:

- All cells have died
- The pattern has stabilized, e.g. does not change anymore
- The next generation will cross a border of the grid
- The maximum number of generations has been reached



You will be offered to save the starting pattern (which can be retrieved in a later run) and quit.