**Task 1: Implement the Rule 30 cellular automaton in R**

A picture containing text, crossword puzzle, clipart

Description automatically generated

**Task 2: Explore the behavior of the automaton with different rules**

A sheet of music

Description automatically generated with medium confidence

**Task 3: Implement Conway’s game of life in R**

1. Any live cell with fewer than two live neighbours dies, as if by underpopulation.
2. Any live cell with two or three live neighbours lives on to the next generation.
3. Any live cell with more than three live neighbours dies, as if by overpopulation.
4. Any dead cell with exactly three live neighbours becomes a live cell, as if by reproduction.
5. All other dead cells remain dead.

Qr code

Description automatically generated