







## Method: Cellular Automata

**Cellular automaton** (pl.: cellular automata) is a discrete model studied in computability theory, mathematics, theoretical biology and microstructure modeling.

## Model concists of:

- ≻Grid of *cells*
- ➢Finite number of states

## **Advantages:**

•Describing complex community's behavior using behavior rules for each its member

•In case of cancer modelling CA can give the geometry of tumour

•Verbal model of cells' behavior is exactly embodied in CA rules



-Biomedical techniques department























