

A Cellular automaton is a simple mathematical model that can exhibit a complex behavior. It was introduced by Von Neumann who was trying to find a mathematical description for a self-reproduction. Among well known works about self-reproduction belongs works from Hiroky Sayama. He introduced a model, that was capable of a simple evolution. This work expands Sayama`s evolving model by simple interactions inspired by competitions of specieses. The aim of the work is observe better dynamics than in Sayama`s model.