Cellular. Automota (CA) state space: 1-or 2-dimensional collection of cells computational examples use Wrap-around number of states per cell: bihary = alive nobal of ansigl von Neumann nhha rule: which nobbd configurations give a live cell in the next gen, which give dead cells ... " N=3 rule: The middle rell becomes alive for dry of mose noble configurations

gens The gens of the second se

outer totalistic rules specify whether the central is elive or dead and the number, but not the positions, of the live cells surrounding the central cell.

Conway's game of Life:

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Moore CA outer totalistic rules:

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Central alive and 2 or 3 live

Nohrs -> central stays alive

central dead and 3 live

where -> central becomes alive



live central rell and any Z of the surrounding 8 are alive



dead rental cell and any 3 of the surrounding 8 are alive.