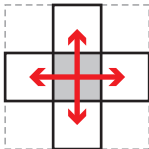
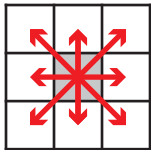


Moore
Neighborhood
Each cell "knows"
eight neighbors



Von Neumann
Neighborhood
Each cell "knows"
four neighbors



Count the black cells
in the eight-cell
neighborhood



→ If count is 3, then



→ paint it black

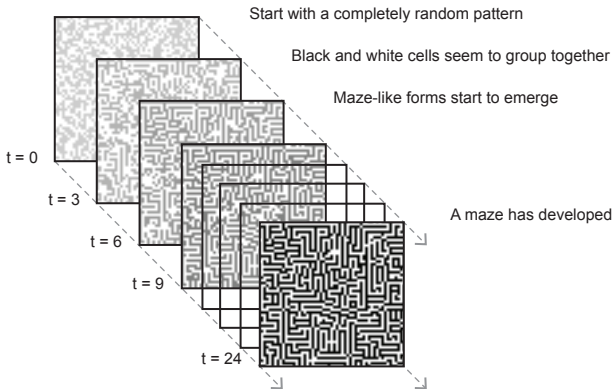


→ If count > 4, then

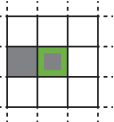


→ paint it white

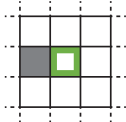
→ Otherwise, keep cell the same as it was



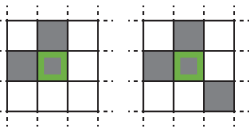
rule 01: isolation
if a cell has 1 or 0
neighbors ...



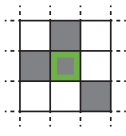
...it will die



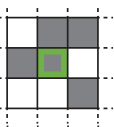
rule 02: survival
if a cell has exactly 3
neighbors ...



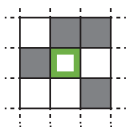
...it will survive



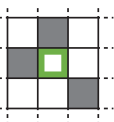
rule 03: overcrowding
if a cell has 4 or more
neighbors ...



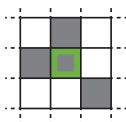
...it will die



rule 04: birth
if an empty cell has
2 or 3 neighbors ...



...it will give birth



time = 0

time + 1

subject to change

