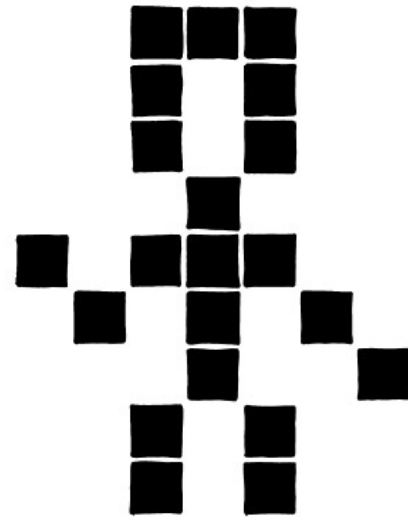


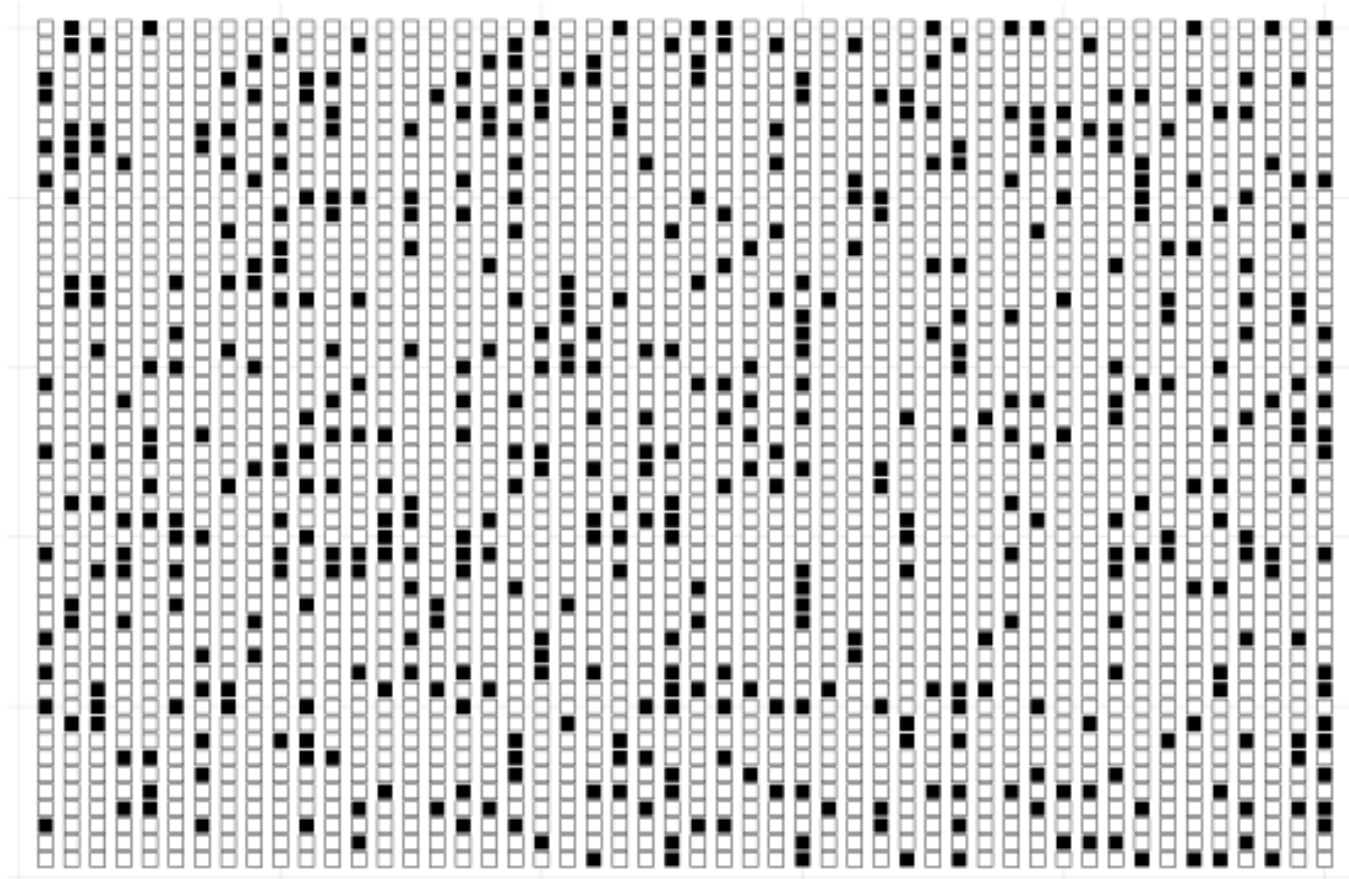
# Cellular automata (CA) and their application



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Dmitriy Shishkov gr. 1181



# Conway's game of life



# Elementary cellular automaton

current automaton contents



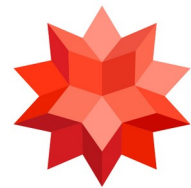
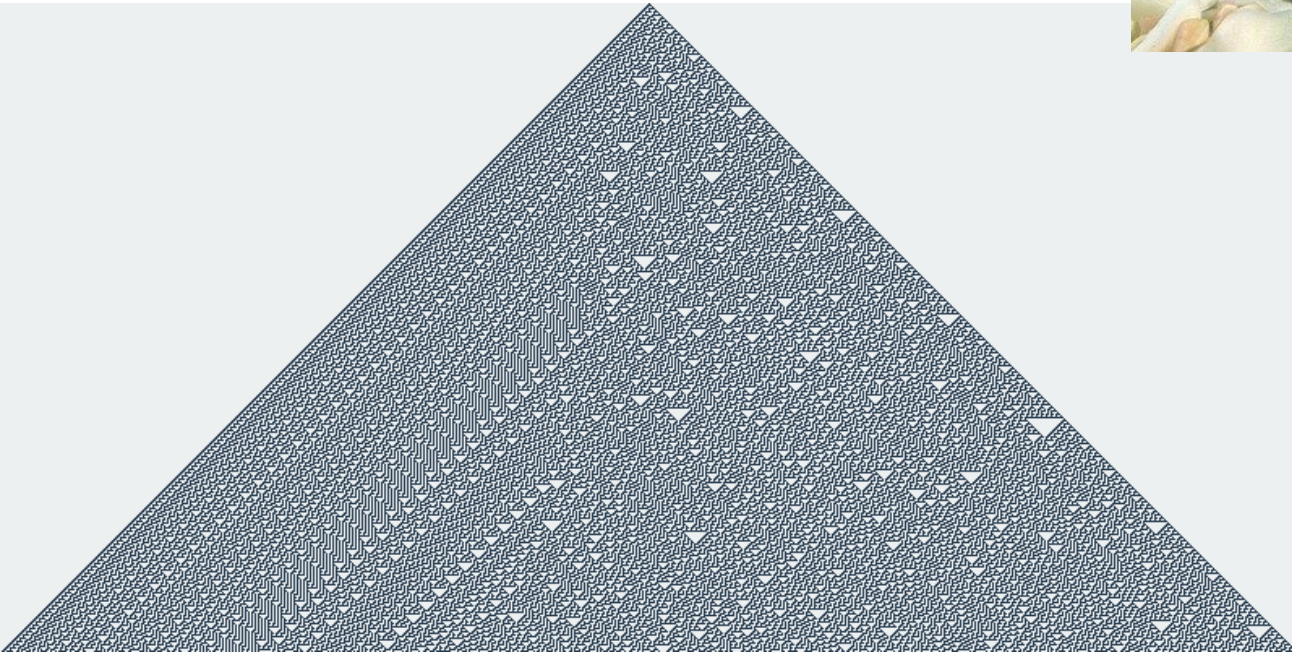
rule 30 (00011110)



the next generation of the automaton



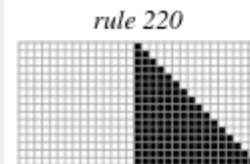
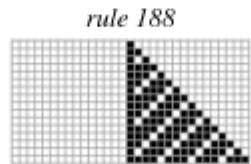
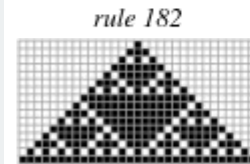
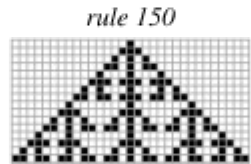
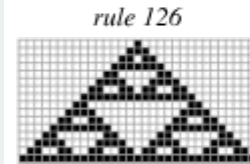
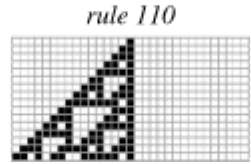
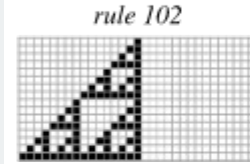
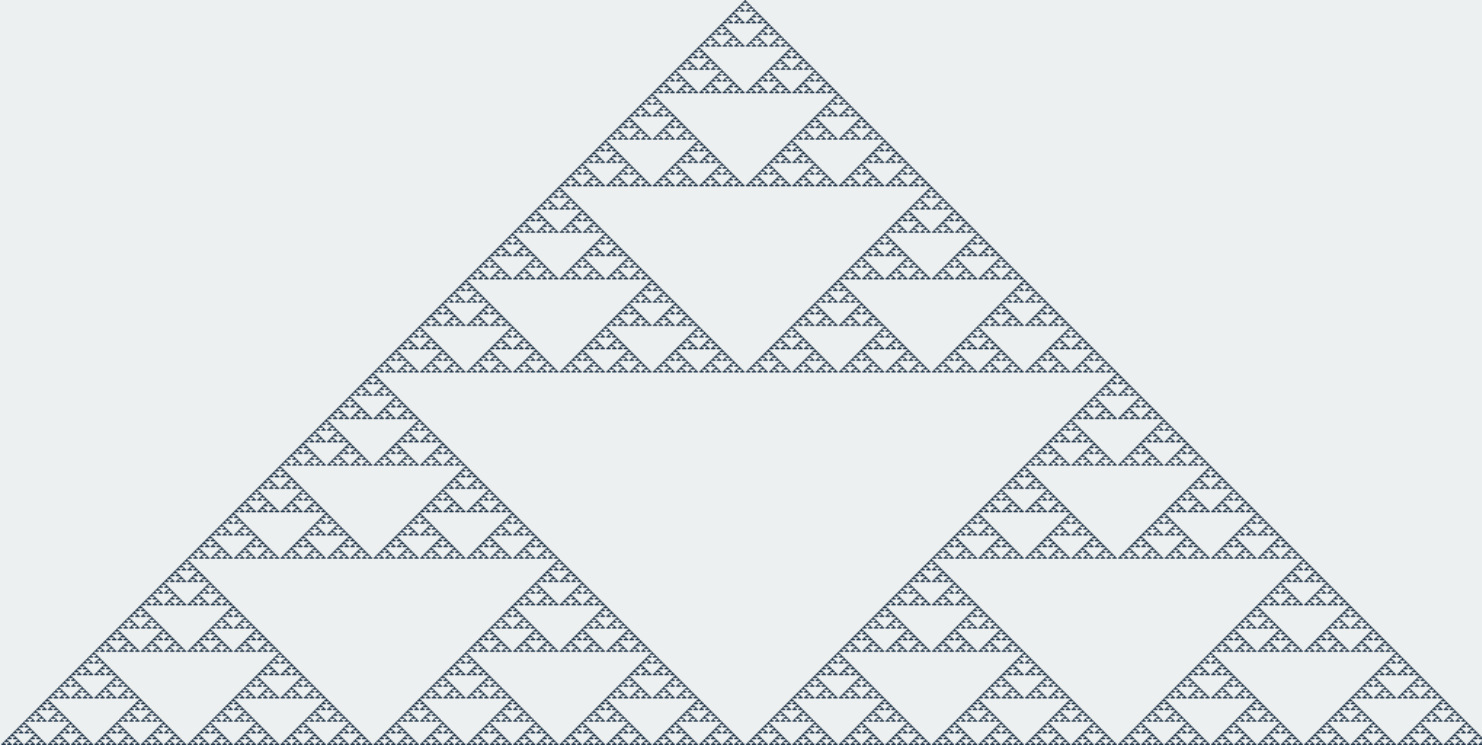
# Rule 30



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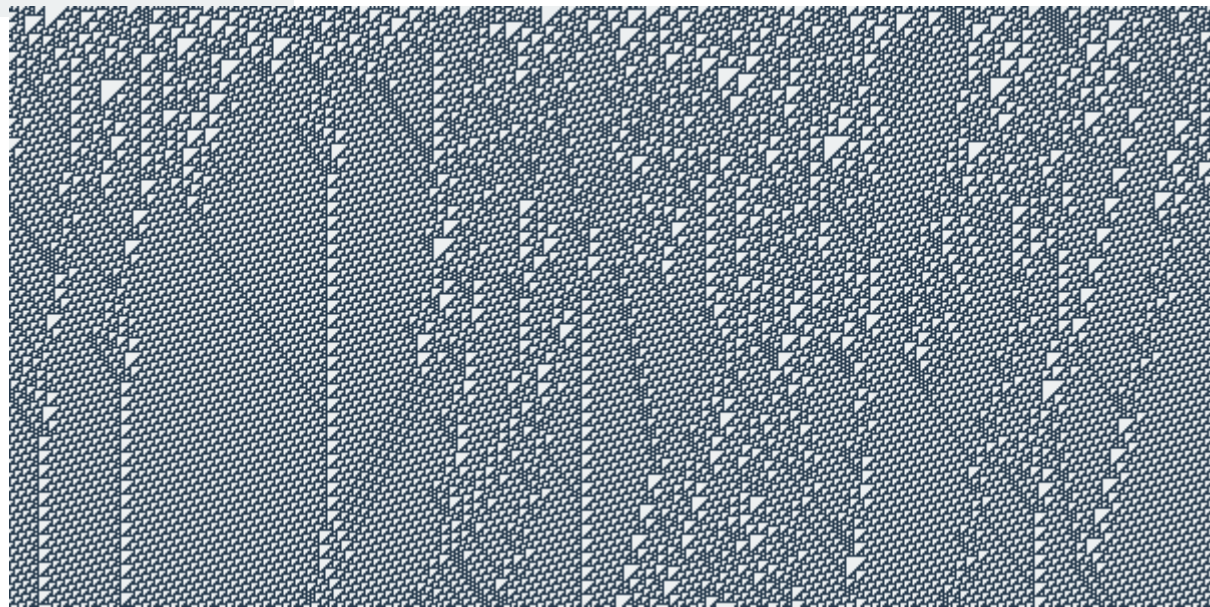
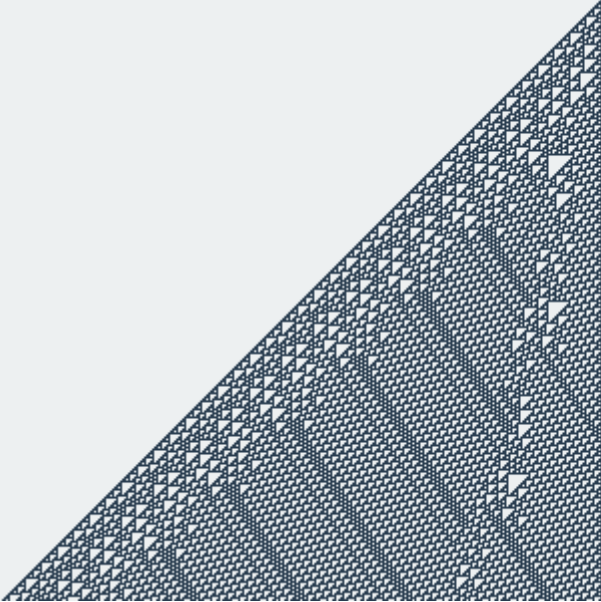
# Pseudo-fractal generation

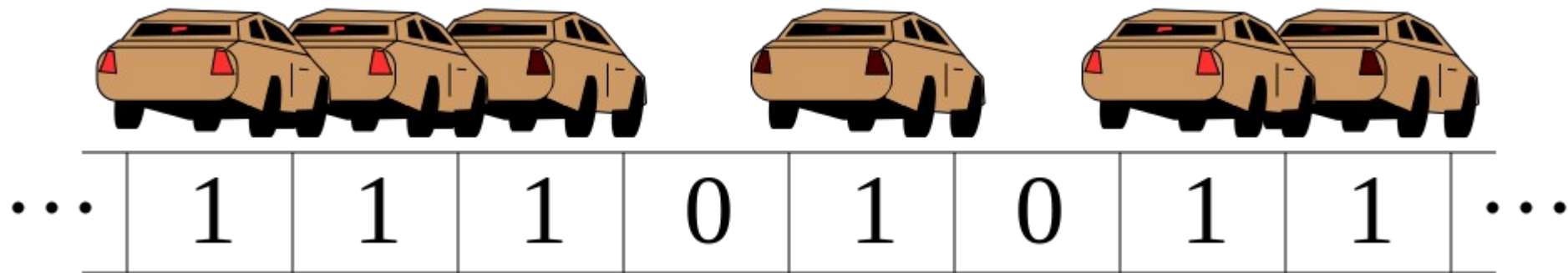
Rule 22



# Rule 110

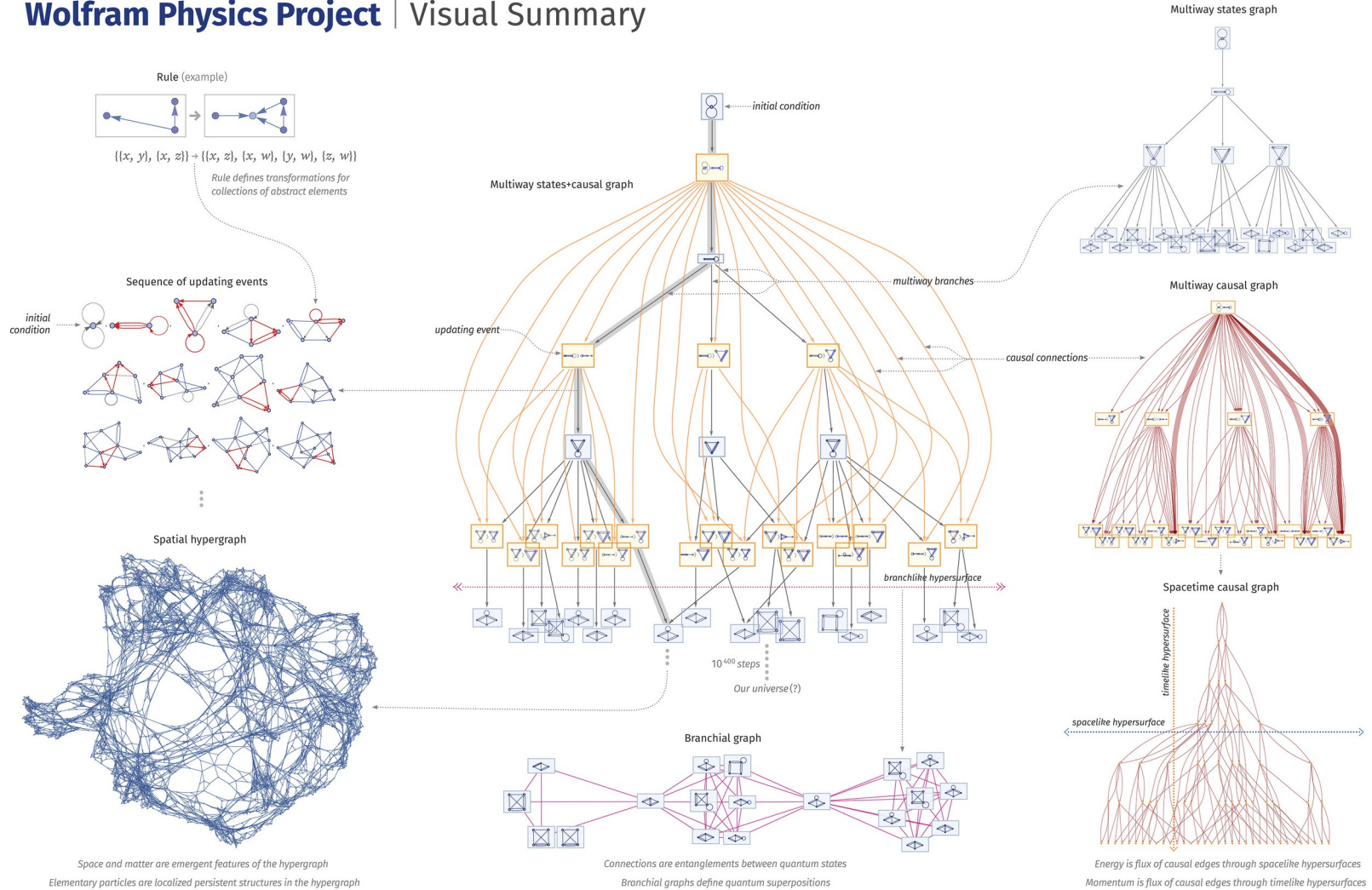
Turing  
complete





Rule 184

# Wolfram Physics Project | Visual Summary





# Thanks for your attention



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