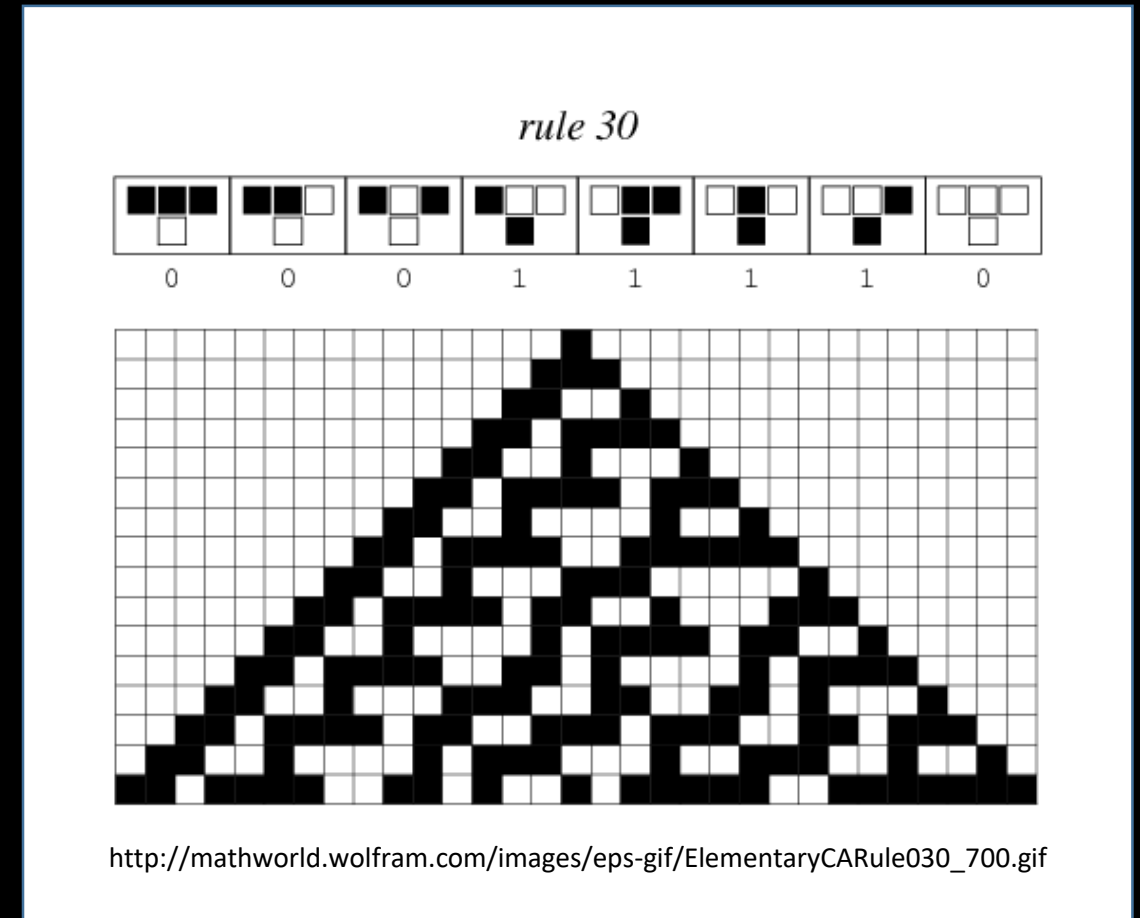


Testing Mechanisms for Open-ended Evolution in Reversible CA

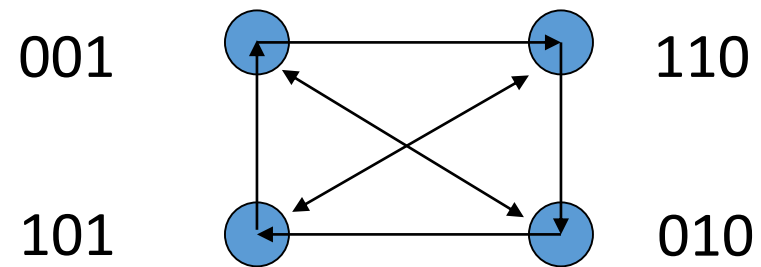
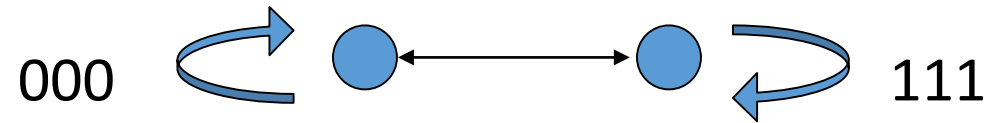
Angelica Berner

What does any of that mean?

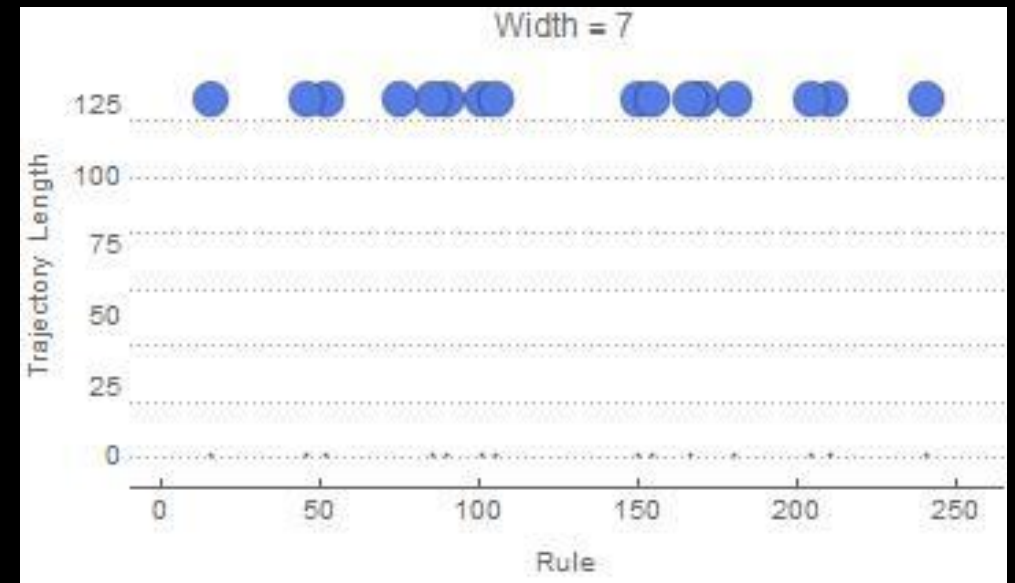
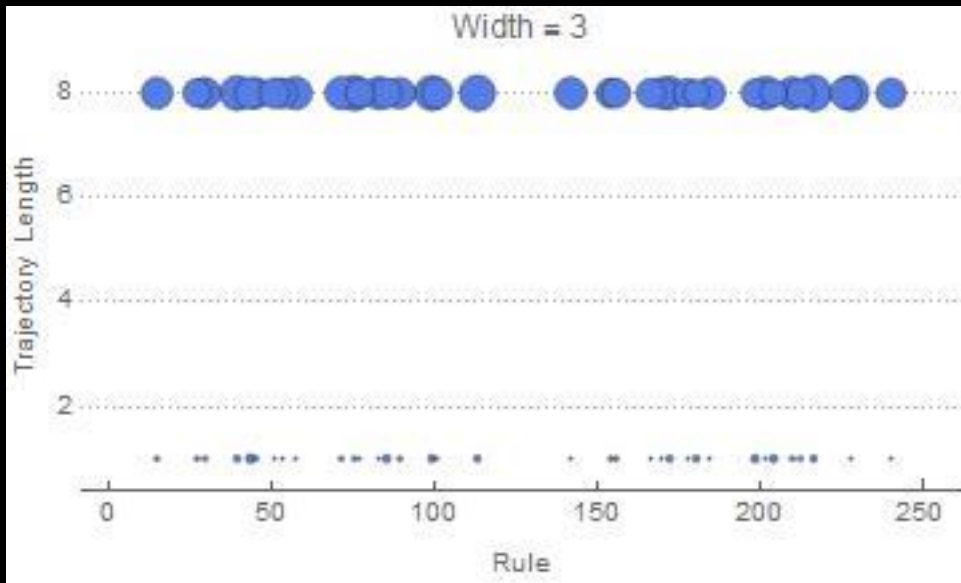
- Computational model that evolves over time
- Cellular Automata can be reversible
- CA have potential to demonstrate OEE



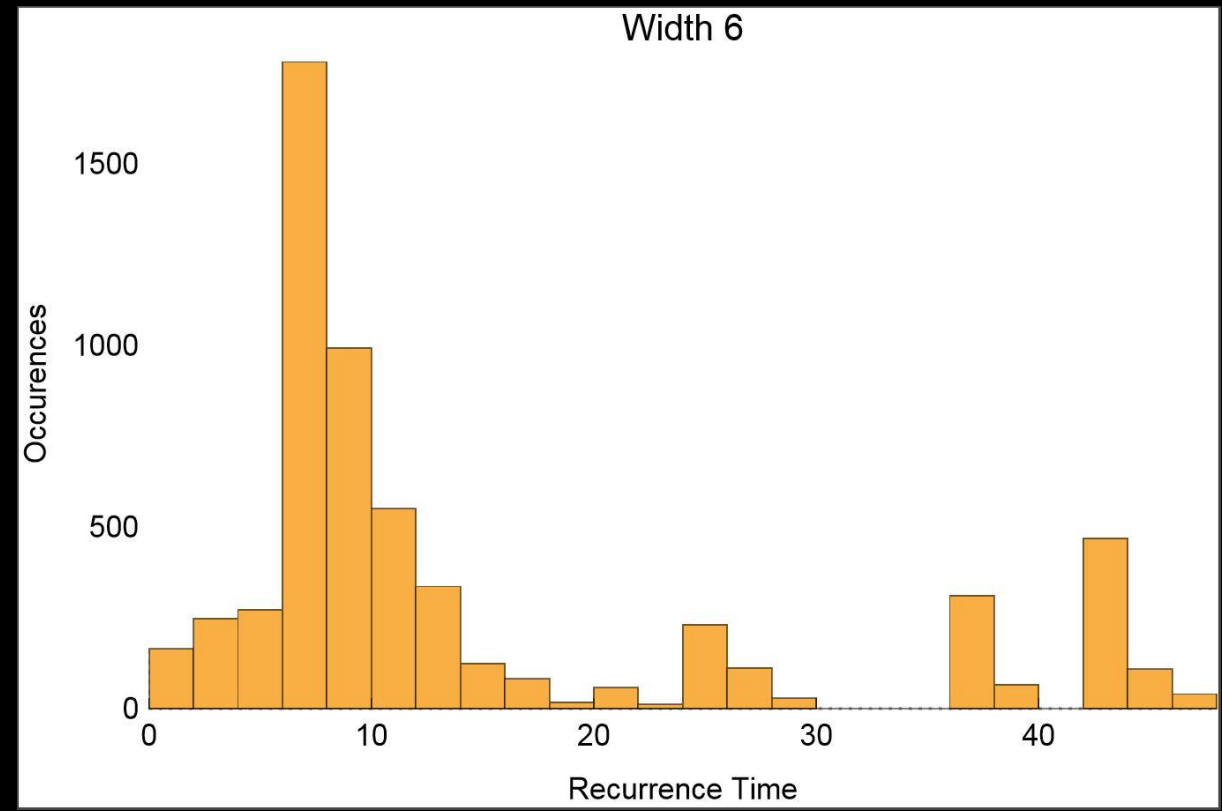
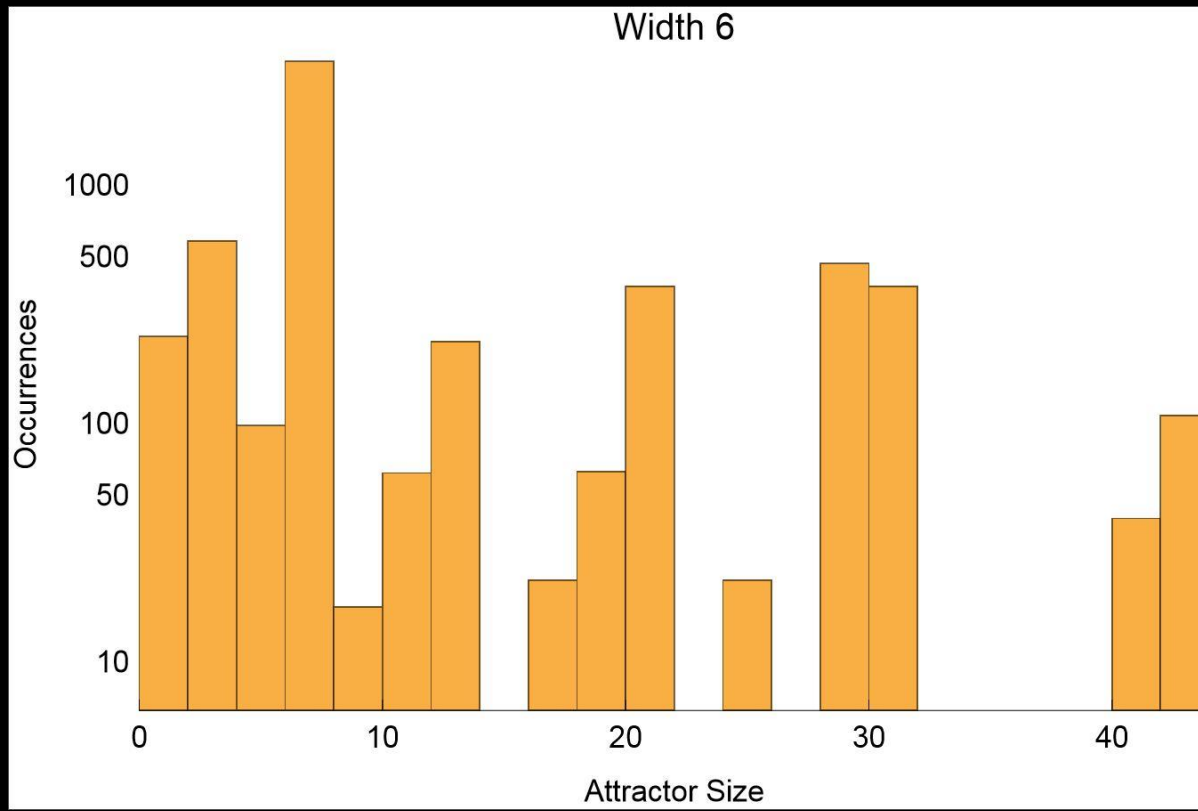
Important Note



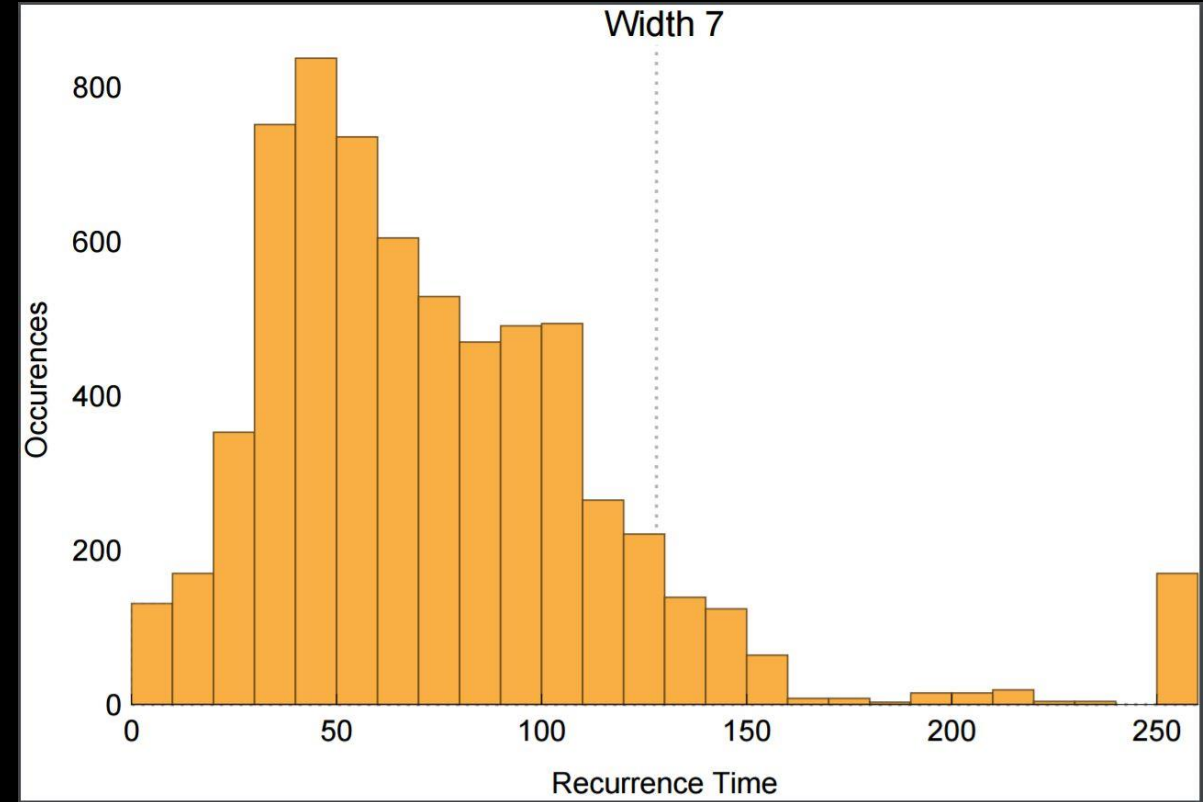
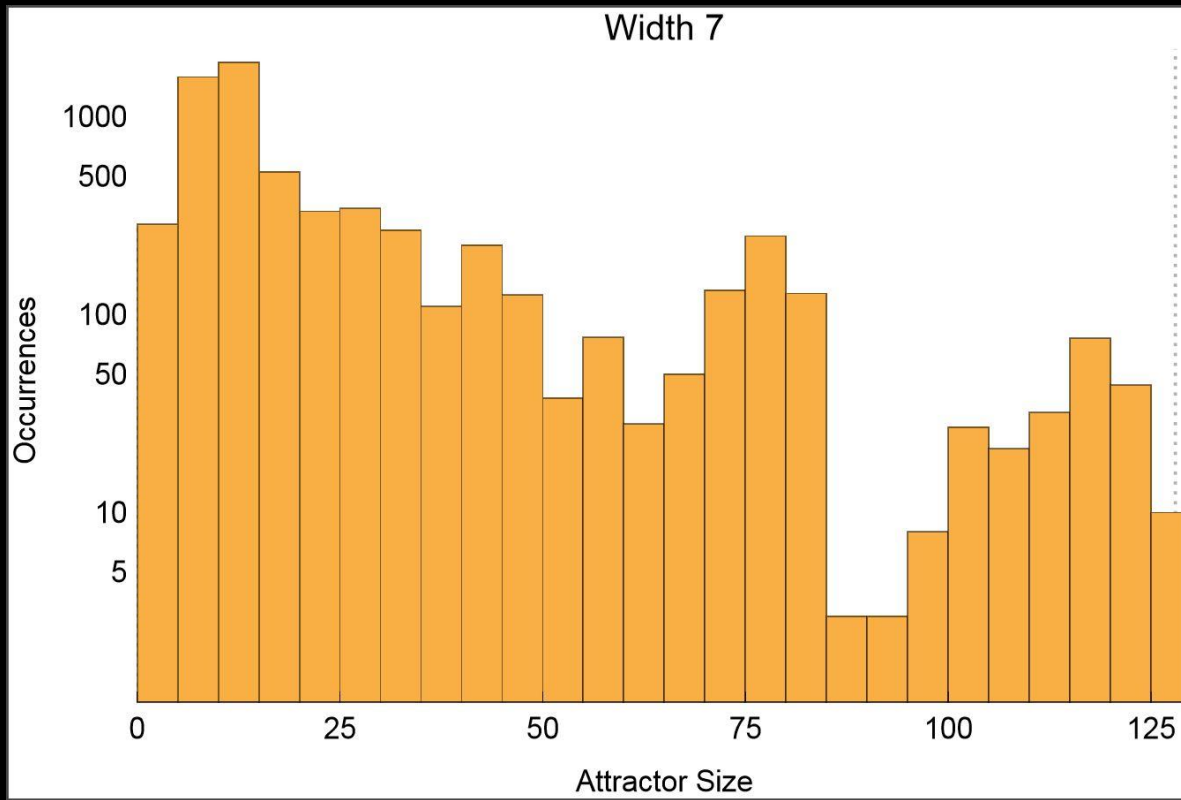
Control Case



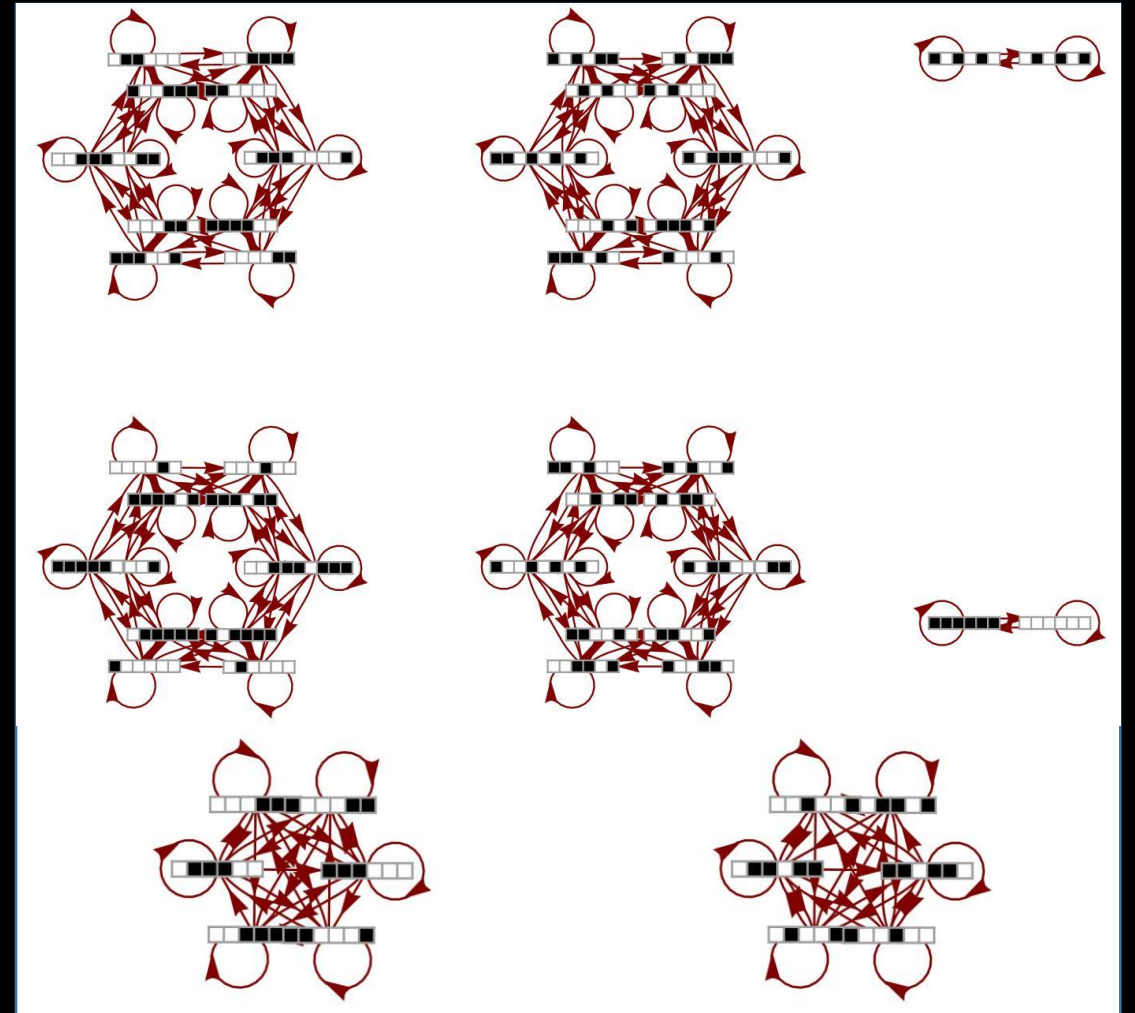
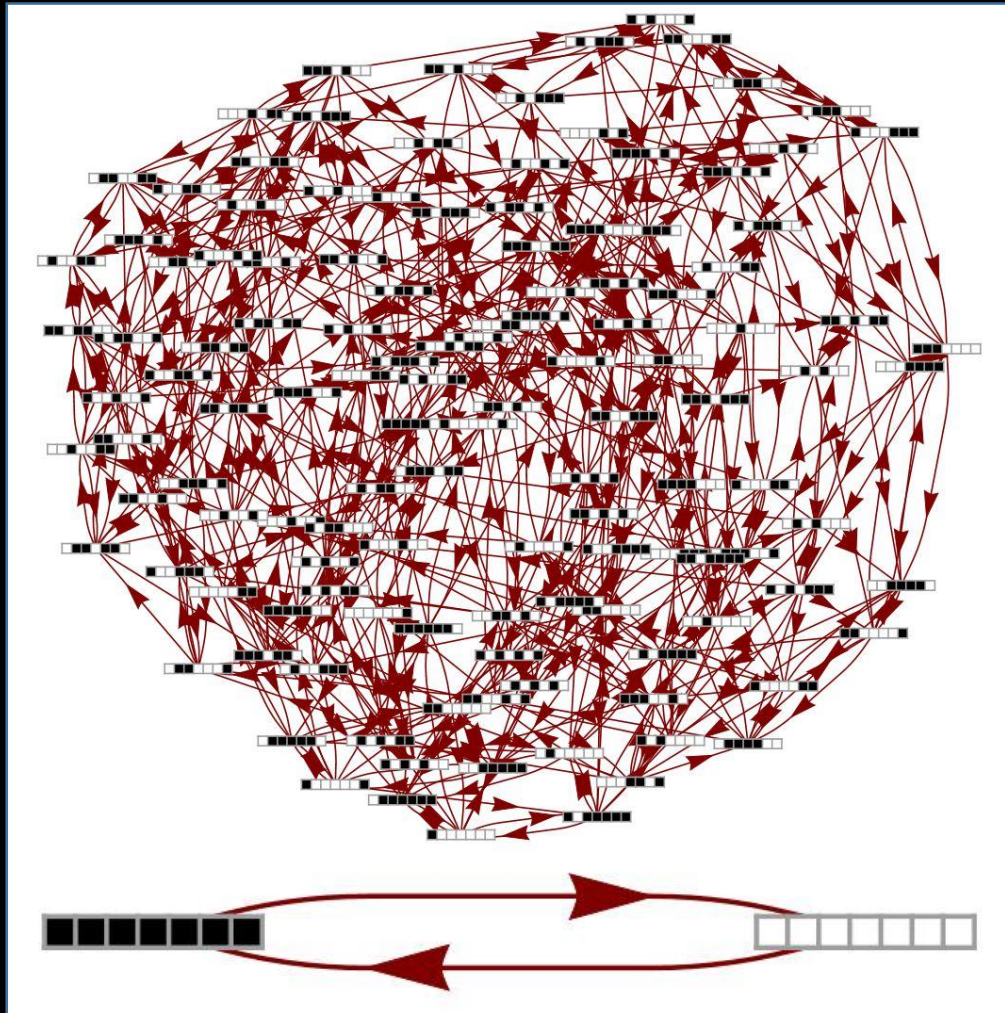
Current Data: Width 6



Current Data: Width 7



State Transition Diagrams



Conclusion and next steps

- Reversible rules capable of producing OEE under certain conditions
- How many reversible rules are necessary for OEE?

Acknowledgements

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