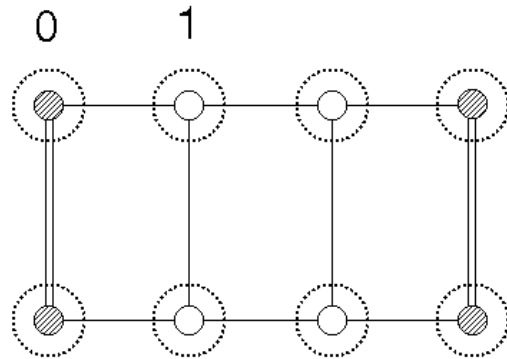
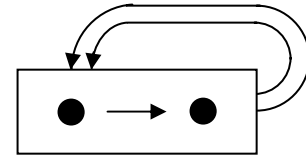
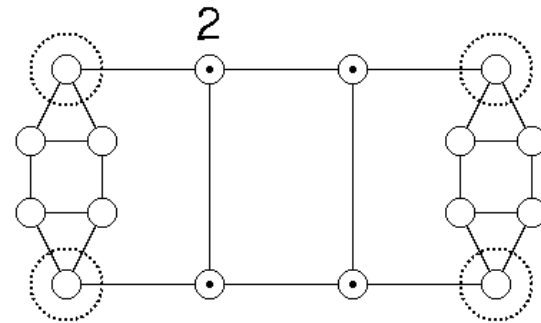


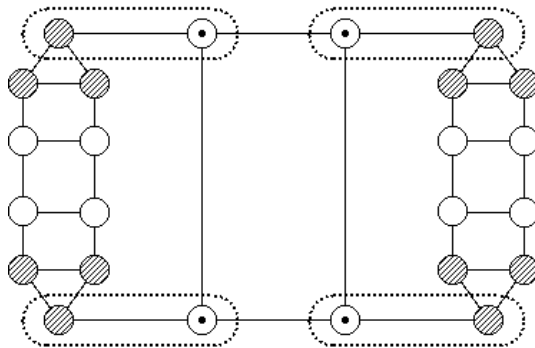
Pattern 1:



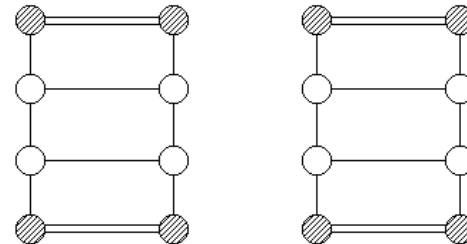
$\xrightarrow{\text{div trans}}$



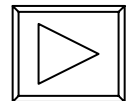
$\xrightarrow{\text{div}}$



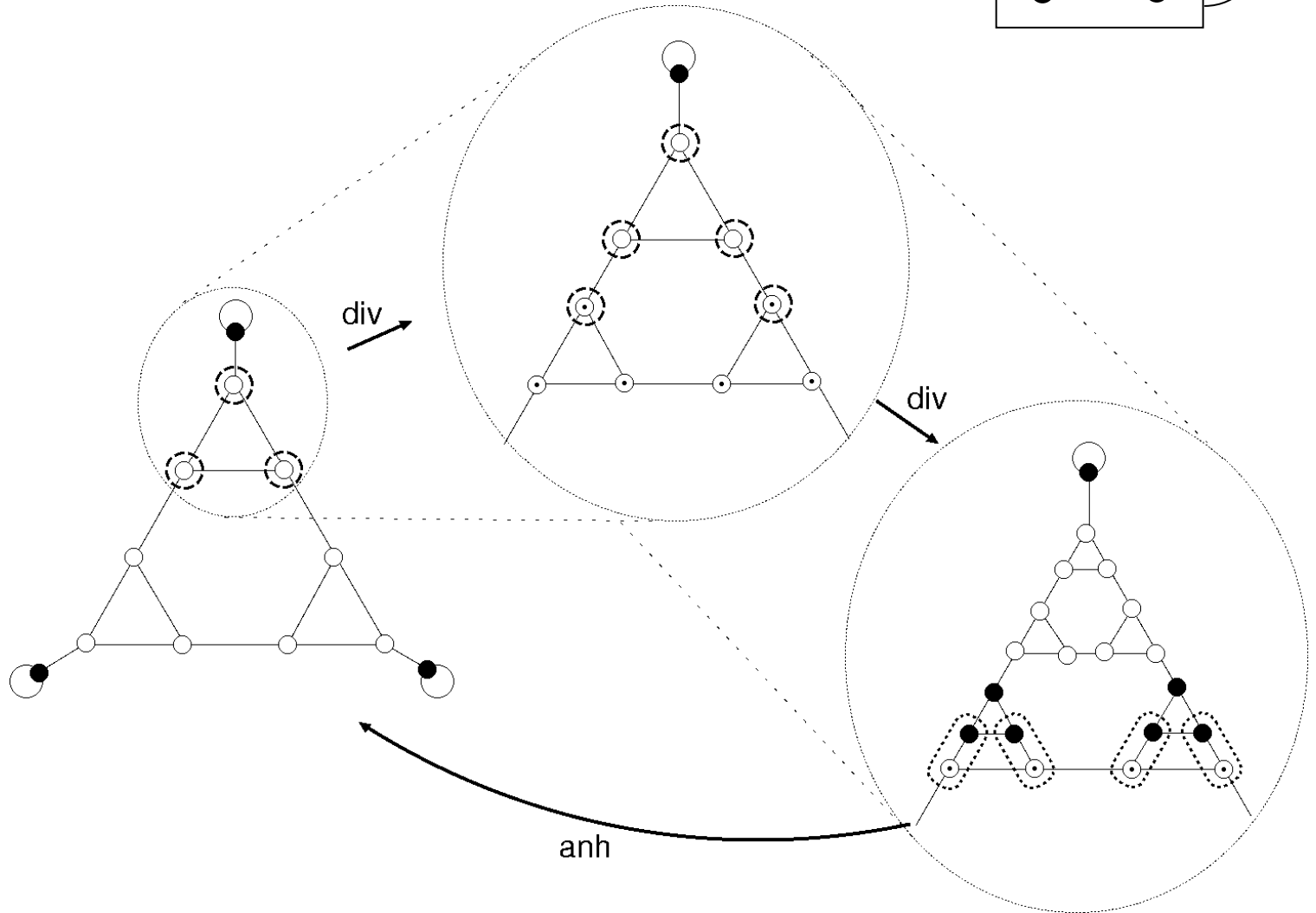
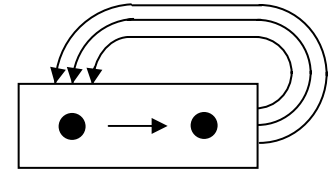
$\xrightarrow{\text{anh}}$



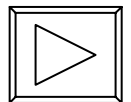
(3 states, 4 rules)



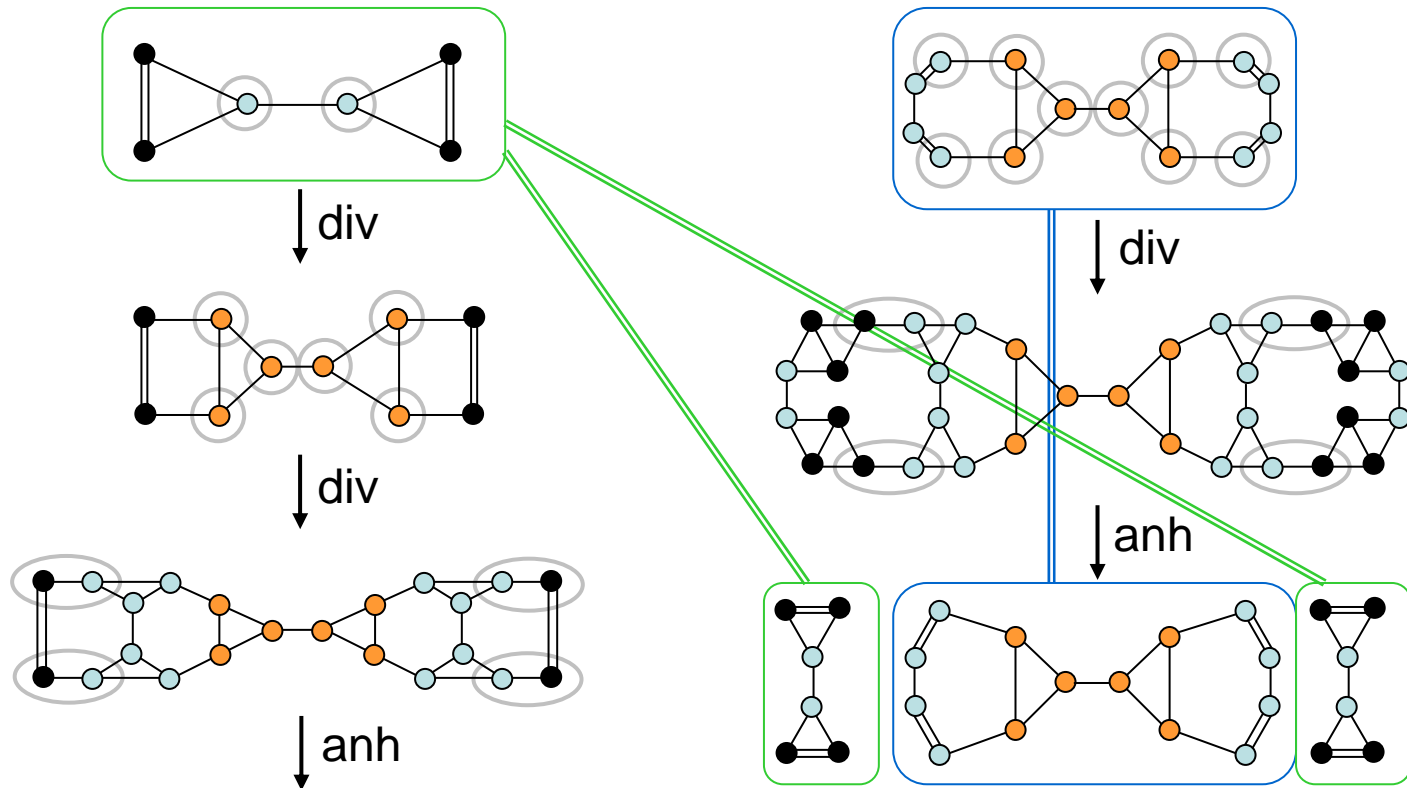
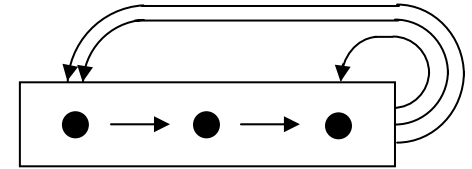
Pattern 2:



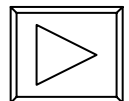
(3 states, 5 rules)



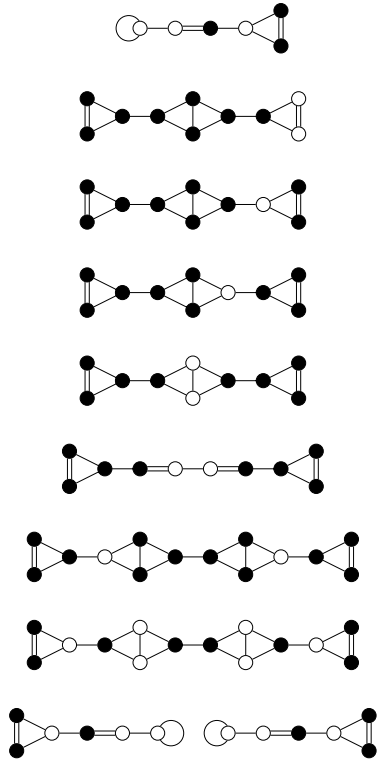
Pattern 3:



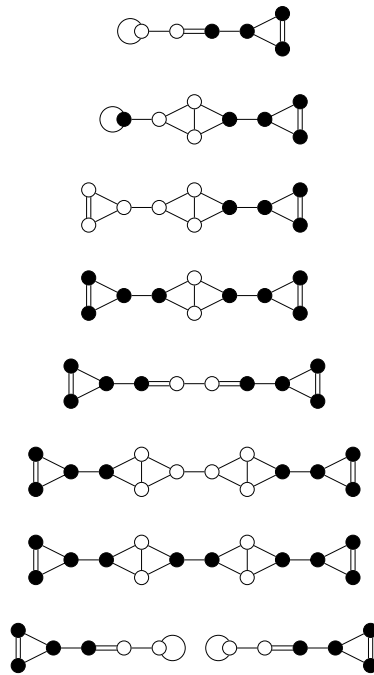
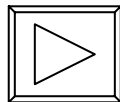
(3 states, 6 rules)



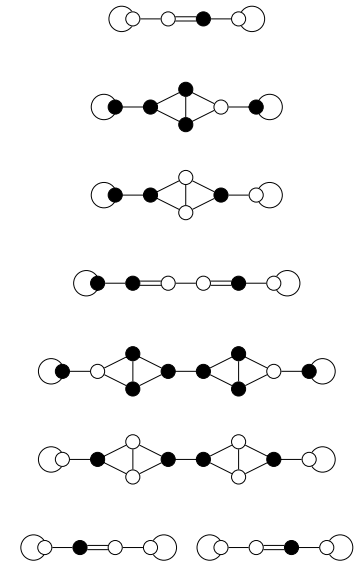
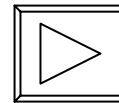
Self-replication with two states



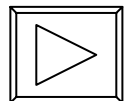
01100202 201 2

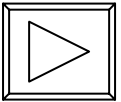
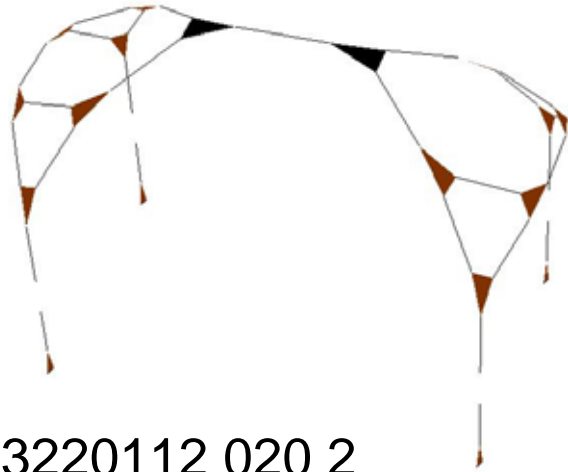


03002310 201 1

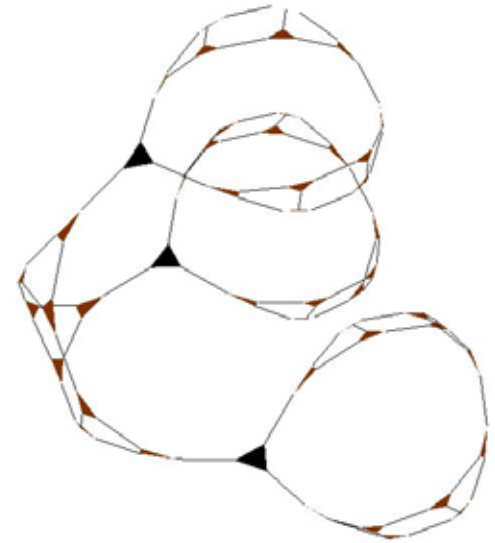


01110200 201 2

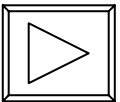
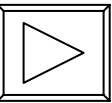




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