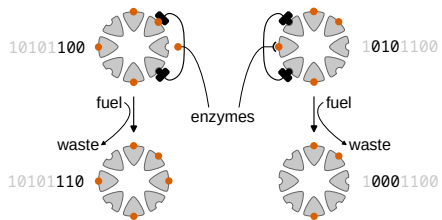


post-translational
modification

10101100
binary representation



fuel.

waste

10101**110**

enzymes

fuel

- waste

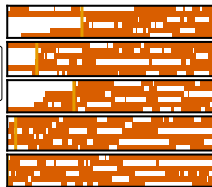
10001100



100

101

Rule 124



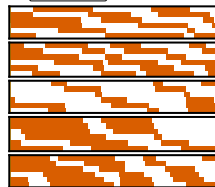
100

101

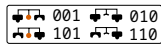
Rule 124



↔ Rule 142



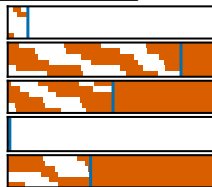
↔ Rule 142



010
 110

110

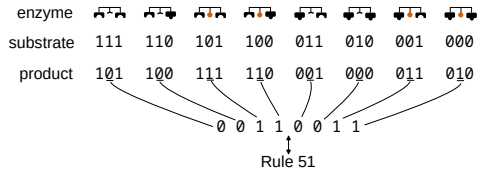
↔ Rule 170



010
 110

110

↔ Rule 170



```
substrate 111 110 101 100 011 010 001 000
```

product $1\bar{0}1$ $1\bar{0}0$ $1\bar{1}1$ $1\bar{1}0$ $0\bar{0}1$ $0\bar{0}0$ $0\bar{1}1$ $0\bar{1}0$

$\begin{array}{cccccc} & & \diagdown & \diagup & & \\ & 0 & 0 & 1 & 1 & 0 & 0 \end{array}$

Rule 51

Maybe the K matrices?