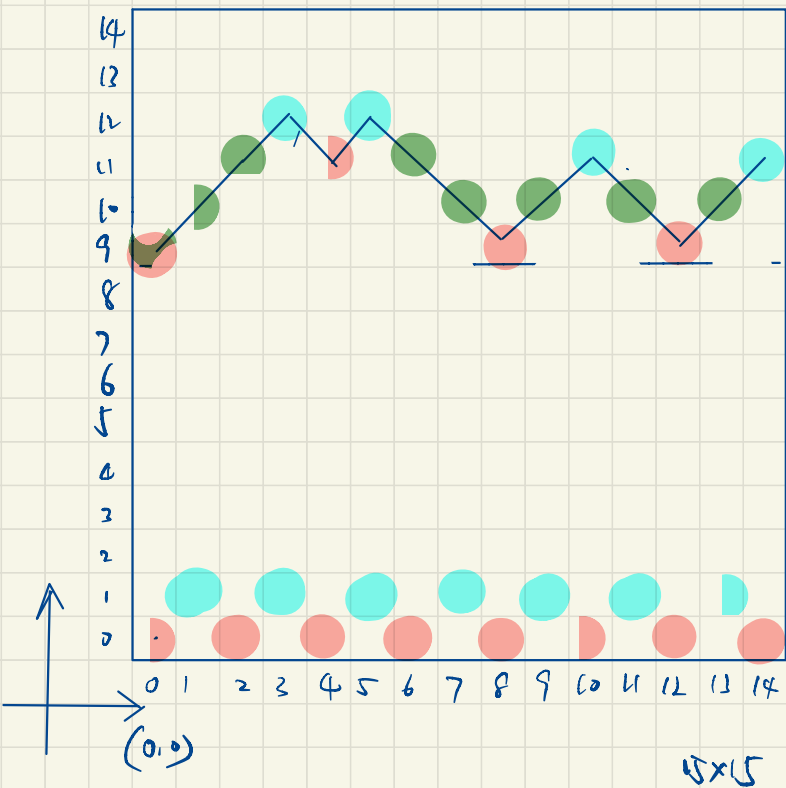


$$P_t + Q_t = 1$$





Height

9 10 11 12 11 12 11 10 9 10 11 10 9 10 11

↑ time.

0 1 0 1 0 1 0 1 0 1 0 1 0 1 0

Initial state,

[221] PRL.

Ref: Barabási & Stanley p. 82.

Kim. Kosterlitz & growth

Updating strategy:

① Sequential:

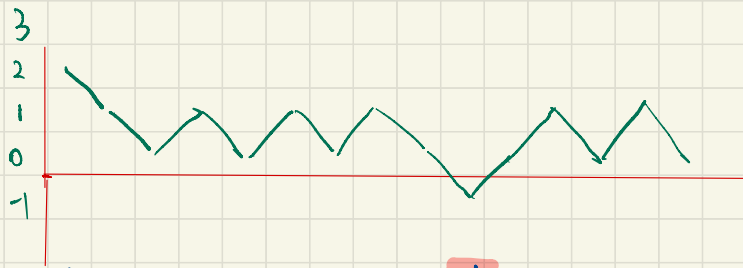
② parallel:

$t=2$ 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0

$t=1$ 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0

$t=0$ 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0

Initial state,



$t=2$

2 1 0 1 0 1 0 1 0 1 0 1 0

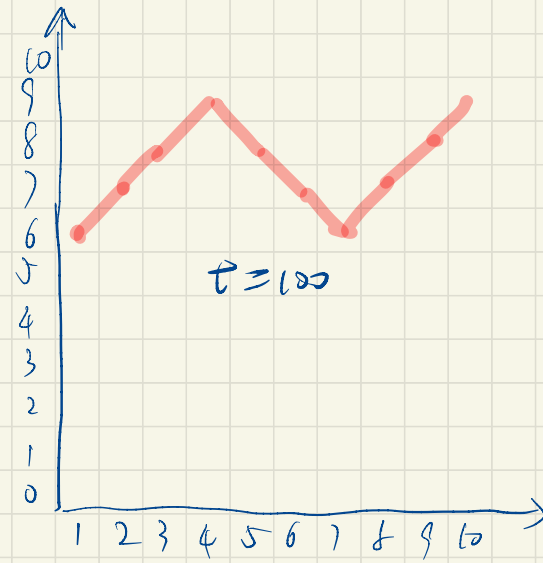
$t=1$

2 1 0 1 0 1 0 1 0 1 0 1 0

$t=0$

0 1 0 1 0 1 0 1 0 1 0 1 0

Initial state.



$t=100$

$$\text{sos} \left(\begin{array}{c} \text{width} \\ 11 \\ 10 \end{array}, \begin{array}{c} \text{time} \\ 11 \\ 100 \end{array}, \begin{array}{c} \text{pus} \\ 4 \\ 0.6 \end{array}, \begin{array}{c} \text{pdaw} \\ 4 \\ 0.4 \end{array} \right)$$

 Return: np.array 100 x 10

