

$$\sum_{i=1}^m i = \frac{m(m+1)}{2}$$

$$1 + 2 + 3 + \dots + m$$

$$\sum_{i=0}^m a^i = \frac{a^{m+1} - 1}{a - 1}$$

$$a \neq 1$$

$$\sum_{i=0}^m 2^i = \frac{2^{m+1} - 1}{2 - 1} = 2^{m+1} - 1$$

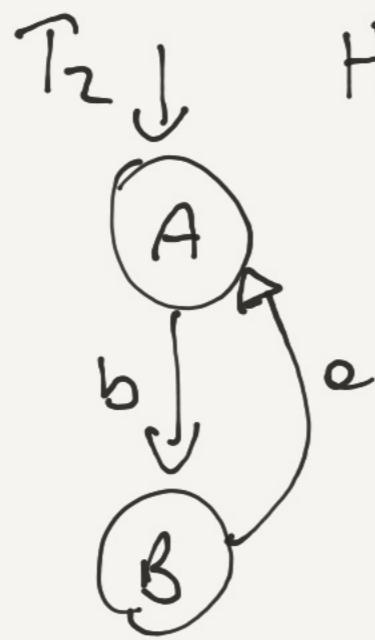
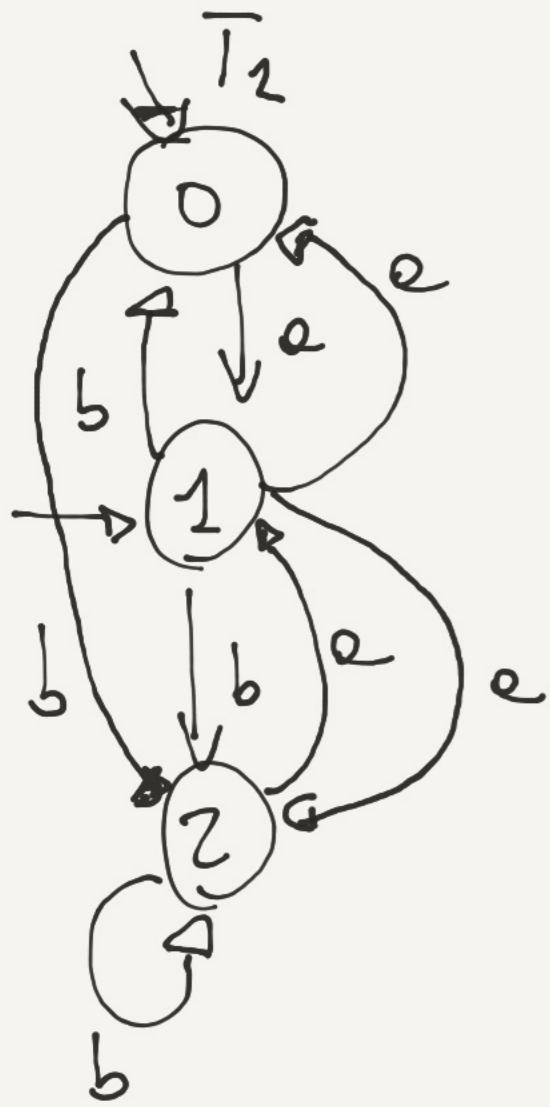
$$2^0 = 1$$

+

$$2^1 = 2$$

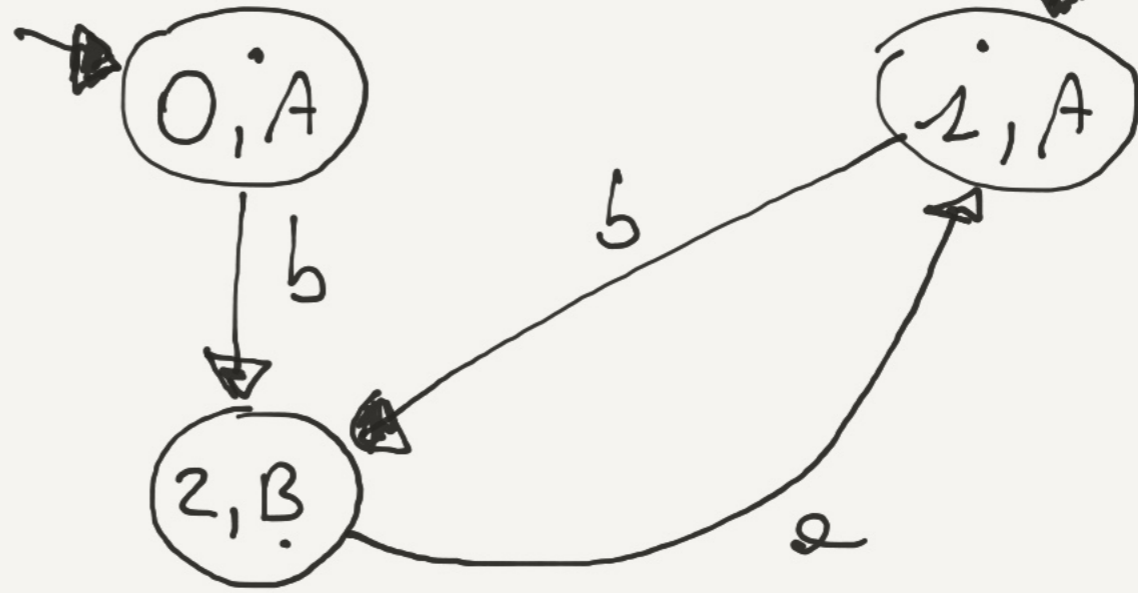
+

$$2^2 = 4$$



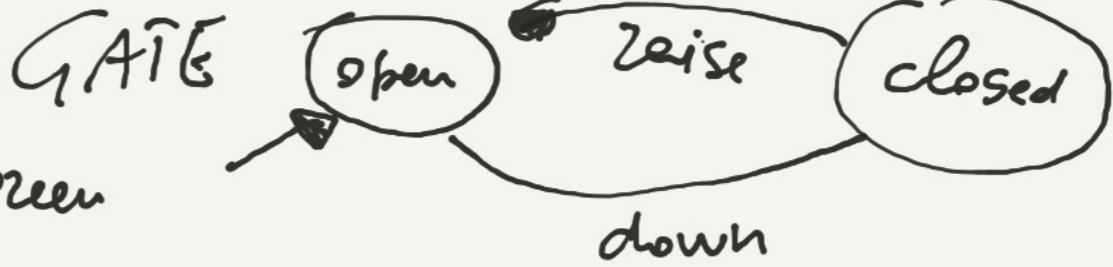
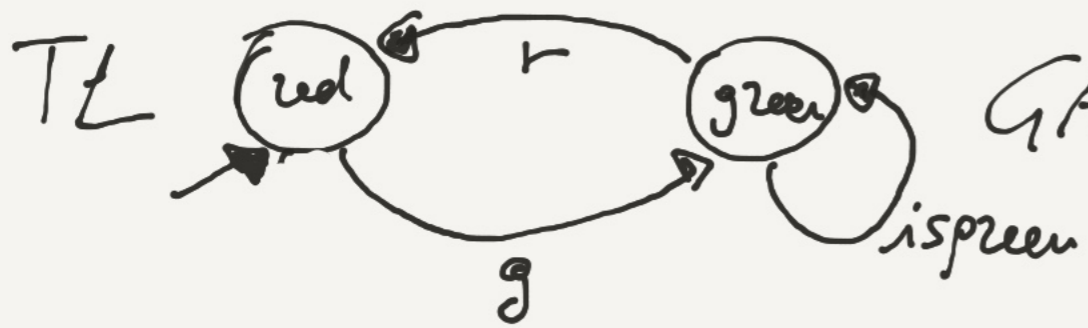
$$H = \{a, b\} = \text{Syn}$$

$$T_2 \parallel_{\text{Syn}} T_2$$

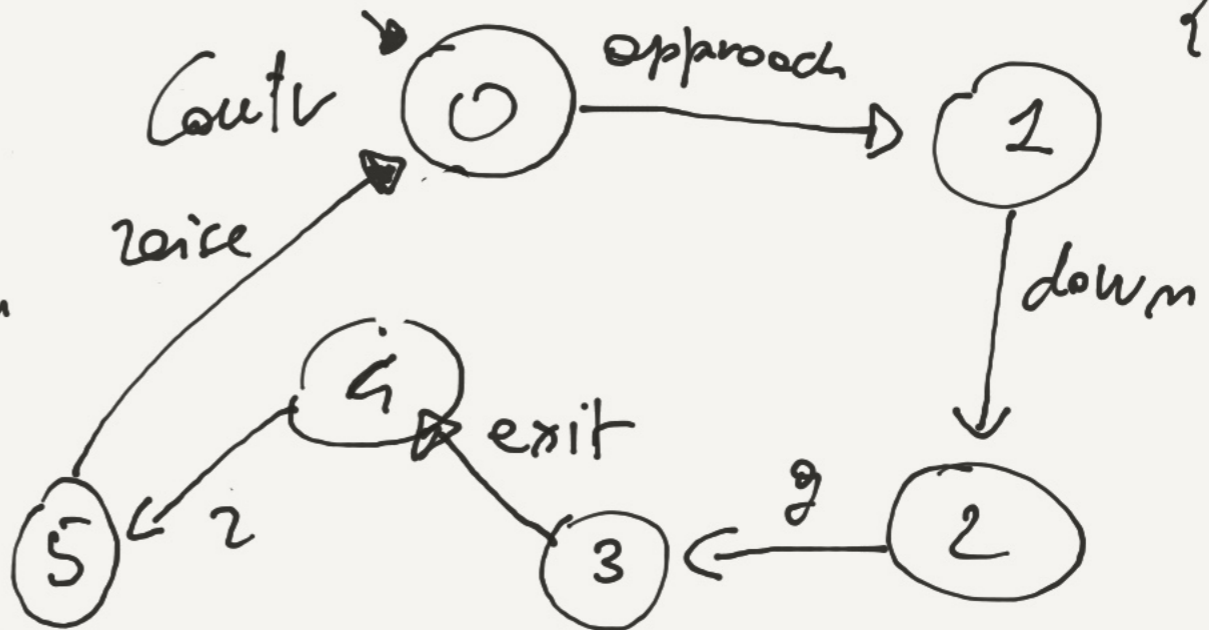
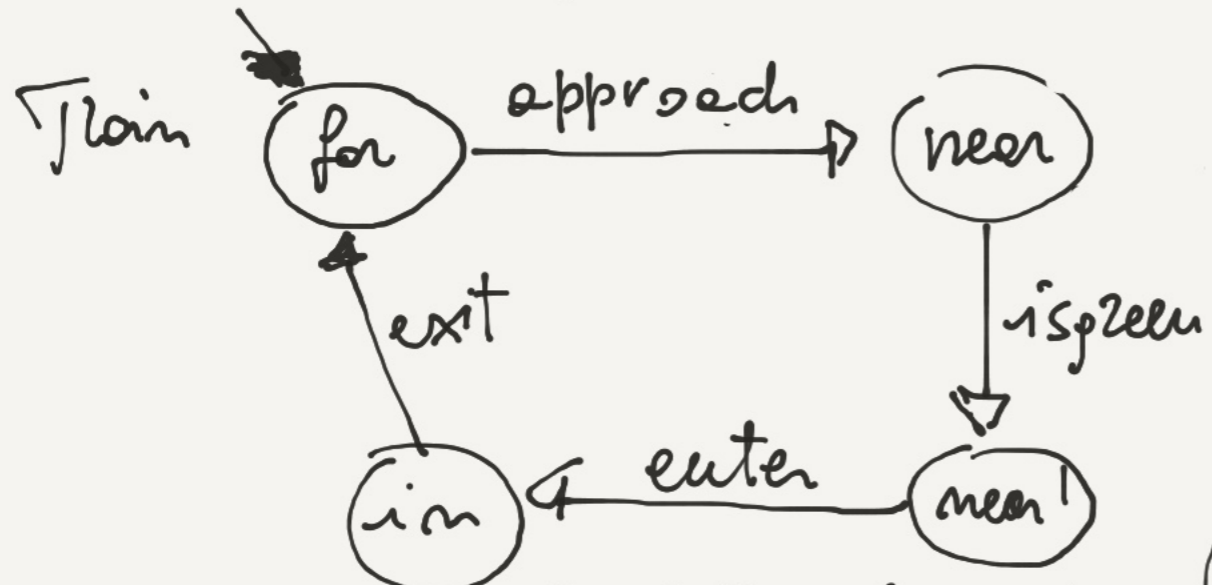


$$s \xrightarrow{\alpha} s' \quad t \xrightarrow{\alpha} t'$$

$$\langle s, t \rangle \xrightarrow{\alpha} \langle s', t' \rangle$$



Syn = Act \ {enter}



Train || TZ || Syn GATE || Syn Count

