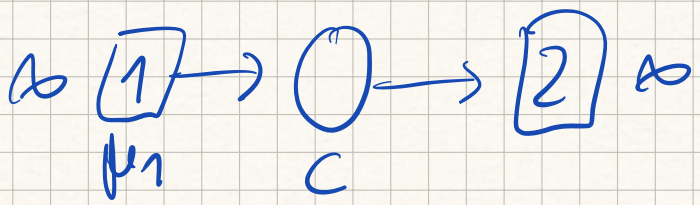
Two-machine, first machine unreliable



p_1

r_1

$T_i \sim exp(\mu_i) \quad i = 1, 2$

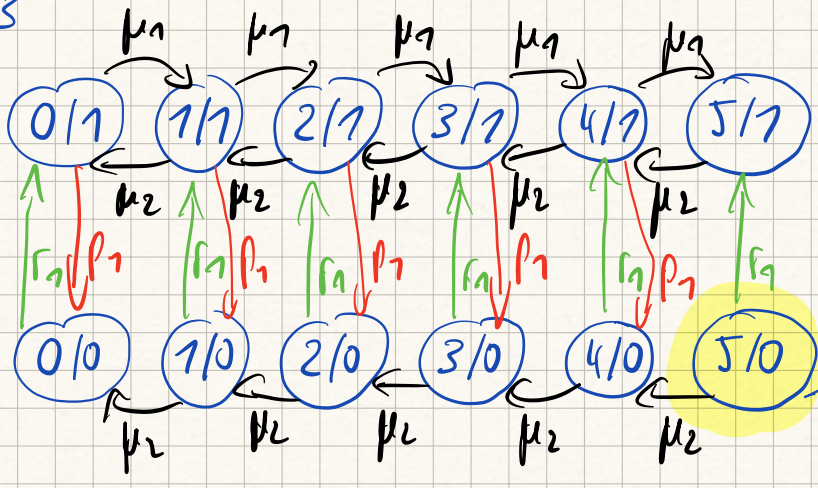
$F_1 \sim exp(p_1)$

$R_1 \sim exp(r_1)$

Assume: BAS, ODF

$S = s(n, \alpha_1)$ $\quad n = 0, \dots, N$ $\quad \alpha_1 = \{0, 1\}$ $\quad N := c+2$

$c = 3$



$$\bar{n} = \sum_{n=0}^{N} \sum_{\alpha_1 \in \{0,1\}} n \cdot \Pi_{(n,\alpha_1)}$$

$$TH_1 = \mu_1 \cdot \sum_{n=0}^{N-1} \Pi_{(n,1)}$$

$$TH_2 = \mu_2 \cdot (1 - \Pi_{(0,0)} - \Pi_{(0,1)}) = \mu_2 \sum_{n=1}^{N} \sum_{\alpha_1 \in \{0,1\}} \Pi_{(n,\alpha_1)}$$