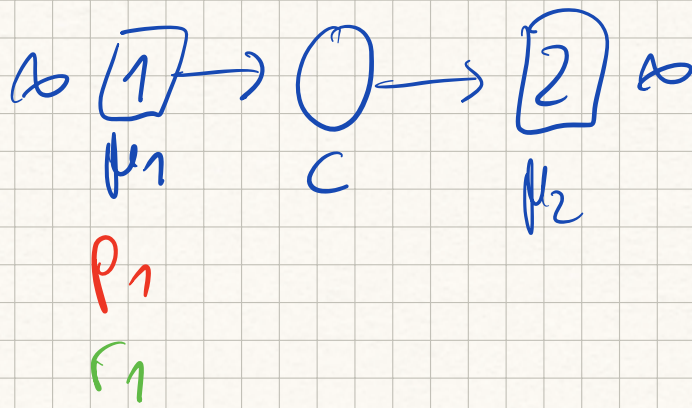


Two-machine, first machine unreliable



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

$$F_1 \sim \exp(p_1)$$

$$R_1 \sim \exp(r_1)$$

Assume: BAS, OOF

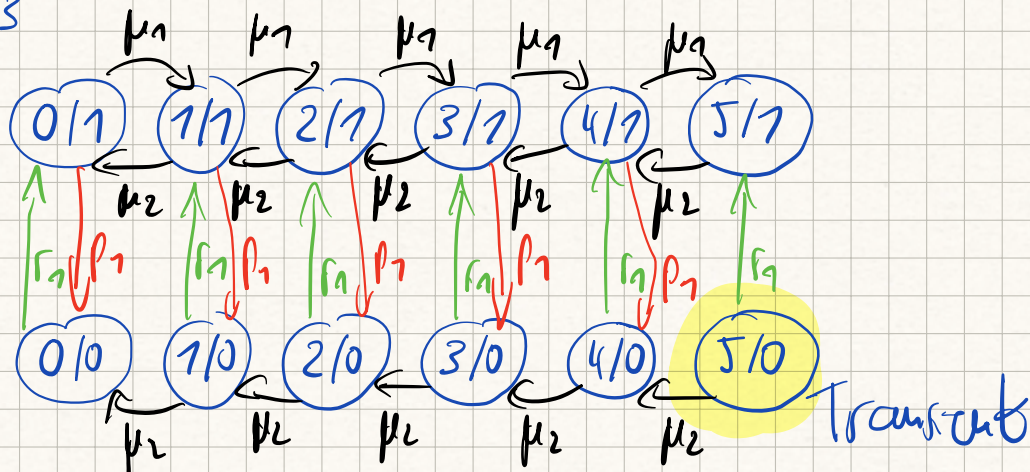
$$J = s(u, d_1)$$

$$u = 0, \dots, N$$

$$d_1 = \{0, 1\}$$

$$N := C+2$$

$C=3$



$$\bar{u} = \sum_{u=0}^N \sum_{d_1 \in \{0,1\}} u \cdot \pi_{(u,d_1)}$$

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

$$TH_2 = \mu_2 \cdot (1 - \pi_{(0,0)} - \pi_{(0,1)}) = \mu_2 \sum_{u=1}^N \sum_{d_1 \in \{0,1\}} \pi_{(u,d_1)}$$