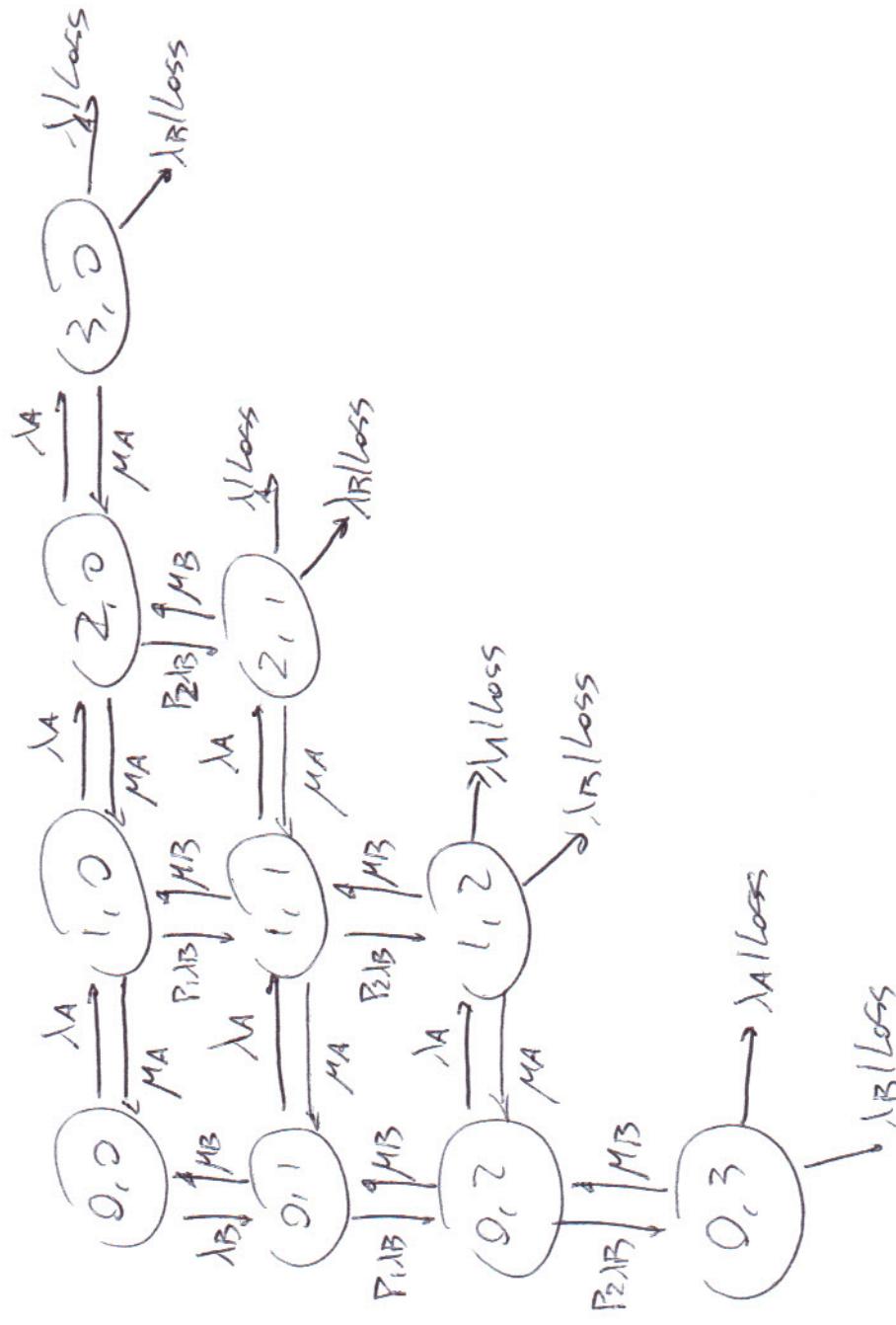


States (Num User A, Num User B)

$$\lambda_A = \lambda_B = \frac{1}{2} \quad P_1 = 0.75 \quad P_2 = 0.5$$

(1)



(2)

$$e) \bar{\pi}_{\text{PERDITA A}} = \frac{\lambda \cdot (\bar{\pi}_{30} + \bar{\pi}_{21} + \bar{\pi}_{12} + \bar{\pi}_{03})}{\lambda \sum_{i=1}^N \bar{\pi}_i} = \bar{\pi}_{30} + \bar{\pi}_{21} + \bar{\pi}_{12} + \bar{\pi}_{03}$$

$$d) \bar{\pi}_{\text{PERDITA B}} = \frac{\Delta_{BL}}{\Delta_{OFF}}$$

$$\Delta_{BL} = \lambda_B (\bar{\pi}_{30} + \bar{\pi}_{21} + \bar{\pi}_{12} + \bar{\pi}_{03}) + (1-P_1)\lambda_B (\bar{\pi}_{10} + \bar{\pi}_{01}) + \\ + (1-P_2)\lambda_B (\bar{\pi}_{20} + \bar{\pi}_{11} + \bar{\pi}_{02})$$

$$\Delta_{OFF} = \lambda_B \bar{\pi}_{00} + P_1 \lambda_B (\bar{\pi}_{10} + \bar{\pi}_{01}) + P_2 \lambda_B (\bar{\pi}_{20} + \bar{\pi}_{11} + \bar{\pi}_{02}) + \\ + \lambda_B (\bar{\pi}_{30} + \bar{\pi}_{21} + \bar{\pi}_{12} + \bar{\pi}_{03})$$