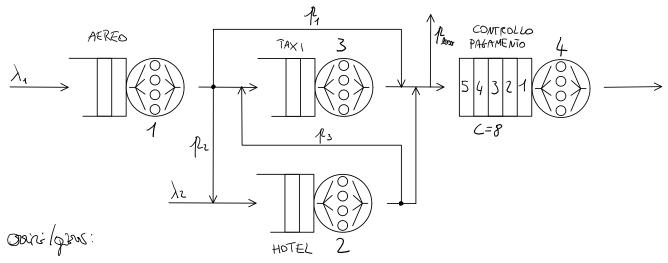
Modello analitico

lunedì 15 maggio 2023





$$E(S_1) = 2 \text{ sij} \rightarrow \mu_1 \simeq 0.5 \text{ sis} \qquad \mu_1 = 65\%$$

$$E(S_1) = 3.7 \text{ sij} \rightarrow \mu_2 \simeq 0.3 \text{ sis} \qquad \mu_2 = 20\%$$

$$\lambda_1 = 1.9 \text{ sis} \rightarrow \mu_3 \simeq 0.4 \text{ sis} \qquad \mu_3 \simeq 0.4 \text{ sis} \qquad \mu_3 = 40\%$$

$$\lambda_2 = 0.8 \text{ sis} \rightarrow \mu_4 \simeq 0.777 \text{ sis} \rightarrow \mu_4 \simeq 0.777 \text{ sis}$$

$$E(S_4) = 1.3 \text{ sis} \rightarrow \mu_4 \simeq 0.777 \text{ sis}$$

QsS:

1)
$$\mu_{loss}$$
 < 1% $T_{res} = \sum_{k} H(s_k) = 9$
2) max temps of exposte
(percons 1-3-2-4) < 12
Minimisor of il mues on about

MGUSAMUS:

CONFIGURIALE: PK-+1 YKE {1,-,4} $M_k = \left\lfloor \frac{1}{M_k} \right\rfloor + 1$ $M_4 = 2$ sempon -D M1 = $M_2 = 4$ $M_3 = 2$ M4 = 2 C= 8

Mex org west = $\sum_{k=1}^{4} wart_k = \sum_{k=1}^{4} deley_k + \sum_{k=1}^{4} rence_k < 12$ Z delay < 3 : Ta < 3-2 Ta, = 0,9>37989>6269

$$\frac{4}{2}$$
 delay < 3 ; T_{R_4} < 3 - $\frac{3}{12}$ $T_{R_{11}}$ = 9.373298376269 s

$$\lambda = 2, \lambda$$

$$\lambda = 1, \lambda$$

$$\lambda$$

Done 1:
$$T_{R} = \frac{P_{R}(P)E(S)}{1-P_{1}} < T_{R} < \Rightarrow \frac{1-P_{1}P_{1}}{P_{R}E(S)} > \frac{1}{T_{R}}$$

$$1-P_{1}P_{1} > \frac{P_{R}E(S)}{T_{R}}; P_{1} < (1-\frac{P_{R}E(S)}{T_{R}}) \cdot \frac{1}{P} \approx 85,63\%$$

$$\frac{f}{1-p}\left(\frac{1+c^{2}}{2}\right) = \frac{E(S') - E'(S)}{E'(S)}$$

$$\frac{f}{1-p}\left(\frac{1+\frac{E(S')}{2}-1}{2}\right) = \frac{E(S') - E'(S)}{E'(S)}$$

$$= \frac{f}{1-p}\left(\frac{1+\frac{E(S')}{2}-1}{2}\right) = \frac{f(S)}{1-p} \cdot \frac{E(S')}{E'(S)} \cdot \frac{1}{2} = \frac{1}{2} \frac{\lambda E'(S)}{1-p} \cdot \frac{E(S')}{E'(S)} \cdot \frac{1}{2} = \frac{1}{2} \frac{\lambda E'(S)}{1-p} \cdot$$