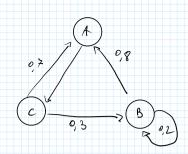
Esame settembre 2009

domenica 7 febbraio 2021



DOMANDE WOA? P(130) Xes 1 X781

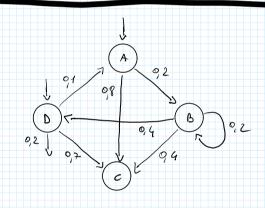
CALCOLD UIST. COUNT

$$V_{A} = 0.7 V_{C} + 0.8 V_{B}$$
 -> $V_{A} = 0.7 V_{A} + 0.8 -> 0.3 V_{A} = 0.8 = V_{A} = 2.7$
 $V_{C} = V_{A}$ -> $V_{C} = 2.7$

$$V_{4} = \frac{V_{4}}{M_{4}} = \frac{22}{0.2} = 135 \, \rho/m$$

$$\sqrt{b} = \frac{\sqrt{6}}{100} = \frac{2.7}{9.125} = 21.6 \text{ p/m}$$

$$\sqrt{c} = \frac{\sqrt{c}}{u_c} = \frac{2,7}{0,16} = 10,8 \text{ P/m}$$



CALLOLO X

 $\lambda_{A} = \lambda_{A} + o_{1} \lambda_{D}^{\prime} \qquad - \lambda_{A}^{\prime} = o_{1} o_{2} + o_{1} \lambda_{D}^{\prime} - \lambda_{A}^{\prime} = 1 \lambda_{A} + o_{1} (2\lambda_{A} + o_{1} \lambda_{A}^{\prime}) - \lambda_{D}^{\prime} = 0.8 \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} = 1.2 \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^{\prime} - \lambda_{A}^$

$$\lambda_{A} = \lambda$$

$$\lambda_{D} = 2\lambda$$

$$\lambda_{C} = \lambda_{A} + \lambda_{D} = 3\lambda$$

CALLOCO VISIT COUNT

$$V_{4} = \frac{\chi_{4}}{\chi_{Q}} = \frac{1.21 \, \text{M}}{3 \, \text{M}} = 0.4$$

$$V_{B} = \frac{\chi_{B}}{\chi_{Q}} = \frac{0.3 \, \text{M}}{3 \, \text{M}} = 0.1$$

$$V_c = \frac{\lambda'_c}{X_0} = \frac{2.67}{31} = 0.86$$

$$V_b = \frac{\lambda' b}{\lambda} = \frac{2.12 \times 1}{2.12 \times 1} = 0.7$$

CALCOLO XT

$$X_{T} = \min \left\{ \frac{3_{5} \, u_{5}}{V_{5}} \right\} = \left\{ \frac{1 \cdot 20}{94} ; \frac{4 \cdot 30}{94} ; \frac{1 \cdot 300}{0.86} ; \frac{1 \cdot 1500}{0.7} \right\}$$

$$50 \qquad 1200 \qquad 1044 \qquad 2442$$

Riscaro 1 2

CAZCOLO WO,

$$W_9 = \sum v_i \cdot W_{qi}$$

4/4/1

M/U/5

$$W_{94} = \frac{1}{20-19,56} - \frac{1}{20} = \frac{1}{964} - \frac{1}{20} = 1,56 - 0,65 = 1,5 \text{ h}$$

$$W_{9c} = \frac{1}{800 - 41.12} - \frac{1}{800} = \frac{1}{858} - 0.001 = 9.001 = 9.001 h$$

$$Wqs = \frac{1}{1500 - 34} - \frac{1}{1500} = \frac{1}{1466} - 0,0006 = 0,0007 - 0,0006 = 0,0001 h$$

$$P_{0} = \frac{1}{1 + \left(\frac{4,8}{30}\right) + 6,5\left(\frac{4,8}{30}\right)^{2} + 9,17\left(\frac{4,8}{30}\right)^{3} + 9,042\left(\frac{4,8}{30}\right)^{4}} = \frac{1}{1 + 9,16 + 9,013 + 9,0007 + 9,03} = \frac{1}{1 + 9,16 + 9,013 + 9,0007 + 9,003} = \frac{1}{1 + 9,16 + 9,013 + 9,0007 +$$

$$L = \frac{1}{5!} \left(\frac{\lambda_6}{\mu_6} \right)^5 P_5 \frac{P}{(1-P)^2} = \frac{1}{6!} \left(\frac{9.16}{16} \right)^4 \cdot \frac{9.83}{10^2} \cdot \frac{9.042}{10^2} = \frac{9.042 \cdot 9.00065 \cdot 9.83 \cdot 9.042}{10^2} = \frac{9.5}{10^2} \cdot \frac{10^{-2}}{10^2}$$

 $W_{9} = \sum_{i=1}^{4} W_{9i} \cdot V_{i} = 1.5 \cdot 0.4 + 0.001 \cdot 0.1 + 0.0001 \cdot 0.86 + 0.0000002 \cdot 0.7 = 0.6 + 0.0001 + 0.000086 + 0.00000014 = 0.6 h$

CALCOLO P(0,3,4,2)

CALCOLO Xe E XT DELLA STAZIONE B

$$X_{Q_b} = \frac{\chi_b}{\gamma_b} = \frac{4.8}{6.1} = 48$$
 $X_{T_b} = 4200$

Poros cumatore Xee fino ed XI8-E. Para cumatore i à estarai sampre rimanento in condisiona di stassamouato