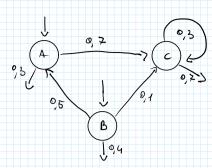
COMPITO A



$$\lambda_A = 6 \rho/h$$

$$\lambda_B = 15 \rho/h$$

$$M_A = 10 \rho/h$$

$$M_B = 30 \rho/h$$

$$\lambda_{B} = 13 \text{ p/h}$$
 $M_{A} = 10 \text{ p/h}$
 $M_{B} = 30 \text{ p/h}$
 $\frac{1}{M_{B}} = 9,067 \text{ h}$
 $\frac{1}{M_{B}} = 9,067 \text{ h}$
 $\frac{1}{M_{B}} = 9,067 \text{ h}$

DOUANDE P(5,20)

COSTO PEZZI NON ULTIMATI IN C

$$\times_{e_{\mathfrak{b}}}$$
? $\times_{\tau_{\mathfrak{b}}}$? $\times_{\kappa_{\mathfrak{b}}}$?

STA200 NAMO

Sp = Sc = 1

CALWID X

$$\lambda'_{A} = \lambda_{A} + 0.5 \lambda'_{B} - \lambda'_{A} = 6 + 0.5 (13) = 12.5 \text{ p/h}$$

$$\lambda'_{B} = \lambda_{B} - \lambda'_{B} = 13$$

$$\lambda'_{C} = 0.7 \lambda'_{A} + 0.1 \lambda'_{B} + 0.5 \lambda'_{C} - \lambda'_{C} = 0.7 (12.5) + 0.1 (13) = 10 \text{ p/h}$$

1/4 6 5M4 => 125 64.6 λ's 4 So Mz = 5 13 4 30 1 c 4 Se Mc => 10 4 15 Xe = 2+ + 20 = 6 + 13 = 19

CALCOLO VISIT COUNT

$$V_{A} = \frac{\lambda' A}{x_{0}} = \frac{125}{19} = 0,66$$

$$V_{B} = \frac{\lambda' B}{x_{0}} = \frac{13}{19} = 0,68$$

$$V_{C} = \frac{\lambda' C}{x_{0}} = \frac{10}{19} = 0,63$$

CALCOLD X, DELLA STAZIONE B

Xeg = 2 = 13 P/h

Per aumendore la poduttivito reale devo aumendore à mondemendo la condisone di stesionosietà (à 44,12) XRD = XTD - E

CALCOLO P(5,3,0)

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 \cdot 1 - \frac{10}{15} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7 = 0.3
\end{cases}$$

$$\begin{cases}
c(0) = \frac{\lambda^{2}}{1! \cdot 1^{0-1}} \cdot P_{0} = 1 - 0.7$$

$$P_0 = \frac{3}{\sum_{j=0}^{M-1} \frac{1}{j!} \left(\frac{\lambda}{u}\right)^j + \frac{1}{5!} \left(\frac{\lambda}{u}\right)^j + \frac{1}{5!} \left(\frac{125}{10}\right)^4 \frac{4 \cdot 10}{4 \cdot 10 - 125}}$$

$$P_{0} = \frac{1}{0!} (1,25)^{0} + \frac{1}{1!} (1,25)^{1} + \frac{1}{1!} (1,25)^{2} + \frac{1}{3!} (1,25)^{3} + \frac{1}{4!} (1,25)^{4} \frac{40}{125}$$

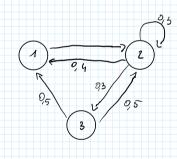
$$= 1 + 1,25 + 0,78 + 9,33 + 9,15 = 0,285$$

CALCOLARE COSTO PERINON ULTIMATI IN C

$$N_c = \frac{\lambda_c}{M_c - \lambda_c} = \frac{10}{15 - 10} = \frac{10}{5} = 2$$

Corsto = 2. 7 = 14 euro ultimati

COUDITO B



$$\frac{1}{\mu_{1}} = 3h \rightarrow M_{1} = 0,33P/h \qquad S_{1} = 2$$

$$S_{2} = S_{3} = 1$$

$$\frac{1}{H_{2}} = 2,2 h \rightarrow M_{2} = 0,45P/h \qquad N = 3$$

$$M_{3} = 927P/h$$

DOMANDE P (5,3,0) 4=? Xen XTAT

CALCOLO VISIT COUNT

$$V_{2} = V_{1} + 0.5 V_{2} + 0.5 V_{2} \Rightarrow 0.7 V_{2} = 1 + 0.5 (0.3 V_{2}) \rightarrow 0.55 V_{2} = 1 \rightarrow 0.5 V_{2} = 1.8$$

$$V_{1} = 0.5 V_{2} \rightarrow 0.5 V_{3} = 0.55$$

CALLOLO X5

$$x_2 = \frac{Y_2}{\mu_2} = \frac{1.8}{0.45} = 4 \rho / h$$

$$X_3 = \frac{\gamma_3}{\omega_5} = \frac{666}{0.22} = 2.04 \approx 2.01h$$

(A2 CO 20 / 5 (MS)

$$\begin{cases} 3,(0) = 1 \\ 3,(1) = \frac{3}{2},\frac{36}{2} = \frac{3}{2},\frac{33}{2} = \frac{3}{2},\frac{38}{2} = \frac{3}{2},$$

$$\beta_{2}(0)=1$$
 $\beta_{1}(1)=4^{7}=4$ $\beta_{2}(2)=4^{7}=16$ $\beta_{2}(5)=4^{3}=64$

$$y_{s(0)}=1$$
 $y_{s(1)}=2^{3}=2$ $y_{s(2)}=2^{2}=4$ $y_{s(3)}=2^{3}=8$

(ALWIO G(M,N)

6(M, N)	1	1,3	1,3,2
0	1	1	1
1	3, 33	6,33	3, 33
2	5	15,66	53
3	9,23	4956	251,47

$$G(2, 2) = 5 \cdot \int_{3}(0) + 3 \cdot 3 \cdot \int_{3}(1) + \int_{3}(2) = 5 + 666 + 4 = 15,66$$

$$G(2, 3) = 3,23 \cdot \int_{3}(0) + 5 \cdot \int_{3}(1) + 3,33 \cdot \int_{3}(2) + \int_{3}(3) = 3,23 + 10 + 43,32 + 8 = 40,56$$

$$G(3, 2) = 15,66 \cdot \int_{2}(0) + 5,33 \cdot \int_{2}(1) + \int_{2}(2) = 15,66 + 21,32 + 16 = 52,32 \approx 53$$

$$G(3, 3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(1) + 5,33 \cdot \int_{2}(2) + \int_{2}(3) = 40,56 \cdot \int_{2}(0) + 15,66 \cdot \int_{2}(0)$$

$$X_{R_2} = X_{R} = \frac{63}{252,47} = 0,21 \text{ P/h}$$

$$X_{\tau_2} = \frac{S_2 M_2}{V_2} = \frac{1.0,45}{1.8} = 0,25 \,\rho/h$$

la sumentione Xn2 dourse sumetione la V della Marione (Juno la V del N'Noma)

CALCOLO P(5,3,6)

$$P(5,3,6) = \begin{cases} f_1(5) \cdot f_2(3) \cdot f_3(0) \\ \hline f_2(4,0) \end{cases} = \frac{25,53 \cdot 64 \cdot 1}{252,47} = 6,48$$

$$\begin{cases} 3,(5) = \frac{332^{5}}{2!2^{5-2}} = \frac{403,45}{2^{4}} = \frac{40345}{16} = 25,59 \end{cases}$$

CAZCOLO LA LUNGHEZZA