Eséraon Suornifara Avalouris
El 18040 Dans Monocho >
Down is Mornotphyonoxio>
6º EJalinvou
O= COUMNOS
Déla 1º souls mes vois man de la
21 = 80/hc, 22 = 15/hc. = 100000000 21 = 1/3 TEX/Min
I) MA = 0.5 Min M/M/1 / 12= 1/4 TIEN/MIN.
$T$ ) $\mu_A = 0.5 \text{ km/m} \text{ M/M/J}$
$II) \mu_{B} = 2\mu_{A}.$ $II = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2}$
the first the second of the first the second of the second
1 500
A) t(1) = = 6 min
M - 21/2
A) $E(T_1) = \frac{1}{\mu_1 - \lambda_1} = \frac{1}{1/3} = 6 \text{ min}.$ Sxinter I
E(To) = 1 = 2 Min
$E(T_3) = \frac{1}{(2^{-1}/2)} = \frac{1}{2} \text{ Min}$ $E(T_3) = \frac{1}{2} = \frac{1}{2} \text{ Min}$
$E(T_0) = \frac{1}{(2^{-1}/4)} = 2 \text{ Min}$
$E(T_{5}) = \frac{1}{(2^{-1}/2)} = \frac{1}{12} \text{ Min}$ $E(T_{5}) = \frac{1}{1 - (1/3 + 1/4)} = \frac{5}{12} \text{ Min} = \frac{12}{5} \text{ min} \cdot \frac{1}{3} = \frac{1}{12} \cdot \frac{1}{12} $
$E(T_3) = \frac{1}{(2^{-1}/2)} = \frac{1}{2} \text{ Min}$ $E(T_3) = \frac{1}{2} = \frac{1}{2} \text{ Min}$
$E(T_{5}) = \frac{1}{(2^{-1}/2)} = \frac{1}{12} \text{ Min}$ $E(T_{5}) = \frac{1}{1 - (1/3 + 1/4)} = \frac{5}{12} \text{ Min} = \frac{12}{5} \text{ min} \cdot \frac{1}{3} = \frac{1}{12} \cdot \frac{1}{12} $
$E(T_{5}) = \frac{1}{1/2 - 1/2} = \frac{1}{2} \text{ Min}$ $E(T_{5}) = \frac{1}{1 - (1/5 + 1/4)} = \frac{5}{12} \text{ Min} = \frac{12}{5} \text{ min} \cdot \frac{1}{2} \cdot \frac{1}$
$E(T_{5}) = \frac{1}{1/2 - 1/2} = \frac{1}{2} \text{ Min}$ $E(T_{5}) = \frac{1}{1 - (1/5 + 1/4)} = \frac{5}{12} \text{ Min} = \frac{12}{5} \text{ min} \cdot \frac{1}{2} \cdot \frac{1}$
$E(T_{5}) = \frac{1}{1/2 - 1/2} = \frac{1}{2} \text{ Min}$ $E(T_{5}) = \frac{1}{1 - (1/5 + 1/4)} = \frac{5}{12} \text{ Min} = \frac{12}{5} \text{ min} \cdot \frac{1}{2} \cdot \frac{1}$

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BB 7 Ep, pévoupe Bedoi won xalies oco I Du robe oupoi unapxour xporixoi d'actifatai Aur DI EZUMNDEINTES JEN XBNOILPOUDONION. Auro Enions orno 1 0000 exoute pixpo TEPM Xbriatovoiron 600 ocho n(11/5 on gran Medoins per delain the report de times aprin de tre orbacey-eater non training or raditepa xai o xpovos ou equitupeznans beievezar. The property of the second of  $\partial P_0 = \mu_A P_1 = 0$   $P_1 = \frac{\partial}{\mu_A}$ API = QUAPA 3Px = 2(px Px+1). 3(00 x7/1) =0 Px = px-1 Px x7/1 Enion> Po+P,+--= 1. The Load P. + S.P. (2 No. ) = 1. PILA + STARA

E[n] = Sx Px  $= \sum_{k=0}^{\infty} (x+1) \left( \frac{\partial}{\partial \mu_{A}} \right)^{2k-1}$   $= \sum_{k=0}^{\infty} (x+1) \left( \frac{\partial}{\partial \mu_{A}} \right)^{2k-1}$   $= \sum_{k=0}^{\infty} (x+1) \left( \frac{\partial}{\partial \mu_{A}} \right)^{2k-1}$   $= \sum_{k=0}^{\infty} (x+1) \left( \frac{\partial}{\partial \mu_{A}} \right)^{2k-1}$ • Fivor  $\frac{00}{5}$   $0x = \frac{1}{1-0x} = 0$   $0x = \frac{1}{1-0x}$  $= 0 \sum_{n=0}^{\infty} (x+1) \alpha^n \leq 1 \frac{1}{(1-\alpha)^2}$ E [n] = P, - (2 ) 107. 1.1899 min = E[n] = 2.021 min.

Délia 20 Au Eivan ECT) = E(w) + E(s). Toveron Epobler hadis Too o Evas homaines A CONSTRUCTION ROSVO / 57 / 5/ Tour Tenixa àci to mais ouvera éperere W Au vo 2º monéro époles non outo ente, Tôte n Typietre poù xavei T/2 Evin n DEUTEPN (7/2+ 7/2) => E(T) = 3T/4 . 2005. El th 138 gà oranor es os un an θα εκουμε στοιτο to τ/2 και σιαι το 2° παδι τ/2 = 0 Ε(τ) = 2τ/2 = τ/2. re Kon X10 he sondice po héxpi R la orfiboriver To idio. a Au 27/2 voice doi épolei voir alla voirette nou fudate made le mo 12 mepi nouven. NA AU DC + < T/2 TÔTE EIVER EVDIA freon The pirtue on 20 oc T(2-1) be equiperum T/2.

Now  $T(T) = 3T_0 - 1$ . Nout (T) = 3T - t. = 3T - t