Quening Models (wanting line Models) · Single Sorver & Resorvation System · Sinale queue length ? Birle server input queue infinale queue length?

· Linale population

· Chinale population · infinale pop. 7 1 3 do be mor estions. Balking -> If an arrival doesn't joint the System Comegny -> world leave aller some time decides and affect of few mints at being. Queue displane (Figh in Endout) Single sorror, infinale quan length anible sonde qual population
Parker 7/m 1/1/1 Probably of one comille. no som + P(n+1) + > (one seven no, at amilels.) + Pn(+) + (no: seven no: at amile) Pr (bh) 2 Pr (b) x 7h (1-µh) + Profile) Mh (1-2h)
+ Pr(b) (-7h) (1-µh) = Pa-1(E) 2h+Pa-1(E) Mh+Pa(E) (1-nh-1/h)

Por (+h) - Por(e) = Por(e) 2 + Port (t) M - Por(e) (2 april) 2 Pn-1 + KIPn+1 = (A+KI)Pn - 0 Po(t+h) = P.(L)(1-2h) Leh + Po(L)(1-2h) Po(t+1) - Po(t) = P, (t) x M - Po(t) x P. = 7/12 Po 2 Po + MP2 = (A+M) P, 2 Po + MP2 = 2 P + MP, P2 = 2/MP, -(2/M12Po P2 = PP1 = PRP0 Ps = PP2 = P3P0 .. Po + PPo + PPo = 1 Ls = Z j Ps = Z j pip, = POPZ i PI-1 = POPZ de Pi = Popd (1+9+92+...) Pop 1 1-Po 2 1-9 2 2 -9 Ls 2 Lg + expeded 1 Ls = 2 ws

lecture -> 9 Po P (no: queue) = Po+P, pe/pe/1 ". N/cs PO+8PO+9PO= ..) ±1 -6041 Ls = 5 np = 2 npgo = Po 9 = N pm Pog dp (1-9m) Pop (1-9 (No) PN-(1.8 mg) (1-8)2 = POP [- 9 M+ (N+1) PY 1-00) = POP I + NPM - N. Pr

Ls: 19 + Tu est La = Jus Nest: 2 (1-An) 14/11/c : 0/00 model. An= 7 Mn= nm nxe = cm n=e 3/c= 7/cp <1 Pn= Prpa = Dr Hatinh Po : Dr Tu Po nxc Pr= 27 Po NZC Po = e-1 ph + ge (1)

Z n. t c. 1-86 つつつつつつつつつつ