



Vet at Sum as to til feldige Variable tilsvarca produktet or deres moment genererende funksjoner $G(t) = G_{N_1} G_{N_2} = e^{\lambda_1(t_1-1)} \lambda_2(t_2-1) = (\lambda_1+\lambda_2)(t-1)$ Ser at detle også er Paisson fordelt.

2d)

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3c) P(15 Thto 7 + 1 Th + (0, t)) = P(15 Thto 7 + to [Th = th + (0 +))
 = \left( -\frac{\xi - \xi_n}{\lambda} - \lambda J \xi \right) = \left( -\frac{\lambda}{\varepsilon} (\xi - \xi_n) + 1 \right) = \frac{-\lambda(\xi - \xi_n)}{\varepsilon}
PN (n) = P(Tn+17+1/1+2+17,7to)
          P(Tuto 76, Th 2+ 17, 2+0) =
          TO THE TAX AND THE TAX
          P (Tn+1 7 + | Tn = + , T, Zto) P(Tn = + / T, Z ()
P(Tn+17+17n=t,T,2to)=e+2(t+tn)
 P(Tn & + 17, 2to) = P(Tn-to & + to 17, 2to) =
    P(ST = Dt) , St = tn - to
- (2(tn-to)) = 2(t-to) 4
 Delle er da on & Poisson fordeling wed Parameter
  -7(t-6)
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