ZEIRT F2(2)= Pr(Z <Z) = 1 - Pr { Z>Z} = 1 - Pr { X > 2 and Y > 2} = [- A-{X>Z} x Pr{Y>Z} = 1-(1-Pr(x<23)(1-Pr(Y<2)) = 1- (1- (1- e +2)) (1- (1- e +2)  $= |-e^{-\frac{1}{2}(\lambda_1+\lambda_2)}$  $F_{\chi}(x) = \int_{0}^{\chi} \lambda e^{-u\lambda} du = -e^{-u\lambda} \int_{0}^{\chi}$ 270