P(X=x) > Variable being x from 2 prometer P(Y=K-x) > Variable being K-x from preparater K=K-X+X K is sum of two independent P(Z=K) > probability of K ofter summation P(Z=K)= \(P(X=X, Y=K-X) Ly all possible combinations = Ep (X=x) P(Y=K-x) + independent $=\underbrace{\frac{x}{x}}_{x=0}\underbrace{\frac{x}{x}}_{x}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}_{x}\underbrace{\frac{x}{x}}\underbrace{\frac{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{\frac{x}{x}}\underbrace{$ = e-(a+pr) \(\frac{\times}{\times} \frac{1}{\times \(\times \) \(\t = e - 1 × = 0 × (× ! (x - x)! .) x x x - x = e (2+r) 1 . (2+r) = (2+r) Ke - 0f 7+M paraneter