Mean =
$$E(x) = \underbrace{\sum_{i=0}^{\infty} x_i}_{i=0}^{\infty} P_i = \underbrace{\sum_{i=0}^{\infty} x_i}_{X_i}^{\infty} = \underbrace{\sum_{i=0}^{\infty} \frac{2^{i}}{(x-1)!}}_{X_i = 0}^{\infty} \underbrace{\sum_{i=0}^{\infty} \frac{2^{i}}{(x-1)!}}_$$

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)= \(\int P(X=X, Y=K-X) \) I 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 $= e^{-(a+r)} \frac{1}{\kappa!} \cdot (a+r) = \frac{(a+r)^{\kappa} e^{-(a+r)}}{\kappa!}$ $= e^{-(a+r)} \frac{1}{\kappa!} \cdot (a+r)^{\kappa} = \frac{(a+r)^{\kappa} e^{-(a+r)}}{\kappa!}$ $= e^{-(a+r)} \frac{1}{\kappa!} \cdot (a+r)^{\kappa} = \frac{(a+r)^{\kappa} e^{-(a+r)}}{\kappa!}$ $= e^{-(a+r)} \frac{1}{\kappa!} \cdot (a+r)^{\kappa} = \frac{(a+r)^{\kappa} e^{-(a+r)}}{\kappa!}$ of 7+1 paraneter