Distretue slucajne varijoble

$$E(X,Y) = E(X), E(Y)$$
 -byned, samp abo so accounsue
$$D(X+Y) = D(X) + D(Y)$$

$$Lotado | e^{-r(X+Y)} =$$

$$D(\alpha X) = \alpha^2 D(X)$$

$$P(X=k) = \frac{\binom{k-1}{2}}{\binom{y}{3}} \quad k = 3, ..., y$$

$$\binom{y}{3} \quad \text{suzbeup}$$

$$- 0 \quad \text{wotern. rescupe}$$

$$\begin{array}{c} \chi \sim \begin{pmatrix} 5 \\ 6 \\ 6 \end{pmatrix} \begin{pmatrix} 5 \\ 6 \end{pmatrix} \begin{pmatrix} 5 \\ 6 \\$$

$$(\frac{3}{2})(\frac{1}{6})^{2} = \frac{5}{6} + (\frac{3}{1})(\frac{1}{6})(\frac{5}{6})^{2} = \frac{3}{1}$$

$$P(X=2) = {5 \choose 2} {6 \choose 6}^{2} {5 \choose 6} {5 \choose 6}^{2} {6 \choose 6}^{2} {6}^{2} {6}^{2} {6}^{2} {6}^{2} {6}^{2} {6}^{2} {6}$$

$$P(X=3) = (\frac{1}{6})^3 + (\frac{3}{1})\frac{1}{6}(\frac{5}{6})^2(\frac{1}{6})^2 + (\frac{3}{2})(\frac{1}{6})^2 = (\frac{1}{6})^3 + (\frac{5}{6})^6 = (\frac{1}{6})^3$$

Lo uvishti sue aro i izradivati E(X)



