$$P\{X=k\} = \frac{2^k}{k!} e^{-\lambda}$$

$$E(X) = 2$$
 word, skednia

$$P(7/8) = 1 - \frac{17}{2} \frac{12}{11} \cdot e^{12} \approx 0,0630$$

$$P(A) = 0.6815 + 0.0630 = 0.7445$$

$$P(A \cup B) > 7 \land P(A \cup B) \leq 11$$

$$P(A) = \frac{2}{5} = 6.6 = 36$$

$$P(A) = \frac{36}{36} = \frac{36}{36} = 36$$

$$P(A) = \frac{36}{36} = 36$$

$$P(B) = \frac{35}{36}$$

$$\left(P(A) \wedge P(B)\right) = \frac{14}{36}$$

$$\rho_{b}^{-} = 0.3$$
 $\rho_{c} = 0.7$ 

$$P_{c} = 0.7$$
 $P_{c} = 0.7$ 
 $P_{c$ 

realizacy: 
$$\rho(1) = \binom{6}{1} \cdot (0.3)^{1} \cdot (0.7)^{3}$$

realizacy:  $\rho(2) = \binom{6}{2} \cdot (0.3)^{2} \cdot (0.7)^{4}$ 
 $\rho(2) = \binom{6}{2} \cdot (0.3)^{2} \cdot (0.7)^{3}$ 

$$\rho(2) = (2) \cdot (0.3) \cdot (0.7)$$

$$\rho(3) = (3) \cdot (0.3)^{3} \cdot (0.7)^{3}$$

$$\rho(3) = (3) \cdot (0.3) \cdot (0.1)$$

$$\rho = 0.8 \quad q = 0.2$$

$$P(X \gg M) \Lambda (P \leq M)$$

$$P(A)$$
 we have  $P(C) = \binom{M}{M} \cdot (0.2) \cdot (0.8)^{M} = 1.1 \cdot (\frac{8}{10})^{M} \approx 0,0859$ 

$$P(=14) = \begin{pmatrix} 14 \\ 1 \end{pmatrix} \cdot 0.8^{13} \cdot 0.2$$

$$\begin{pmatrix} 14 \\ 2 \end{pmatrix} \cdot 0.8^{12} \cdot 0.2$$

$$(2)$$
 $(14)$ 
 $(3)$ 
 $(6542)$ 

$$0,6542 - 0,0859 = 0,5683$$
  
 $P(A|A) = P(A|AB)$  0,6542

$$P(B|A) = P(A \cap B) = \frac{0,6592 \cdot 0,0859}{0,0859} = 0,6542$$