(1) Ennounce autore propegenerous.

$$P_{n}(X=k) = C_{h} \cdot \rho \cdot q^{h-k} = C_{100} \cdot 0.8^{85} \cdot 0.2^{15} = \frac{100!}{85! \cdot 15!} \cdot 0.8^{85} \cdot 0.2^{15} \approx 4.81\%$$

2) Pacupegenenne Tyaccona.

$$A = \rho \cdot n = 0,0004.5000 = 2.12 m nomm$$

 $P \approx \frac{2^m}{m!} \cdot e^{-2}$
a) $P(0) \approx \frac{2}{0!} \cdot e^{-2} \approx 13,53\%$
 $8) P(2) \approx \frac{2^2}{2!} \cdot e^{-2} \approx 27,07\%$

Bunomauture facupegenenne.
$$P_{n}(x=k) = C_{n} \cdot p \cdot q^{n-k} = C_{144} \cdot 0,5^{70} \cdot 0,5^{74} = \frac{144!}{70!74!} \cdot 0,5^{144} \cdot 6,28\%$$

δ) que ranomigenne f(2) ecrs 3 hozmomorore rel cobnectura cosortul: 2 maga l'ultorn lugure, 2 b upatorn much no 1 mapy l'icomporn.

$$P(2) = \frac{C_{7}^{2}}{C_{10}^{2}} \cdot \frac{C_{2}^{2}}{C_{11}^{2}} + \frac{C_{7}^{2}C_{3}^{2}}{C_{10}^{2}} \cdot \frac{C_{9}^{2}C_{1}^{2}}{C_{10}^{2}} + \frac{C_{3}^{2}}{C_{10}^{2}} \cdot \frac{C_{9}^{2}}{C_{11}^{2}} = \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} + \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} = \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} + \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} = \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} = \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} = \frac{C_{10}^{2}}{C_{10}^{2}} \cdot \frac{C_{10}^{2}}{C_{11}^{2}} \cdot \frac{C_{10}^$$

$$= \frac{21 + 378 + 108}{21 + 378 + 108} \approx 0,20\%$$

1) novumaem ot upotutnoro- κακολα θεροετηρίτε, 270 tre mapor reprise?

P(flack) = \frac{3}{9} \cdot \frac{2}{11} \cdot \frac{1}{10} \tau 0,12% => P(1+) \frac{2}{99,88%}

P(flack) = \frac{10}{9} \cdot \frac{1}{11} \cdot \frac{1}{10} \tau 0,88% ects 200 \tau 5 \tau 1 \text{ δειντά.}