Zagara N1 P=0,8 - lepoarnour nonagemen l'yens h = 100 - renem benesperol

K = 85 - ko-lo nongenení

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Nanish: Pok bepositusió Toro, 250 ciperok

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Nonagres l yere poku 85 poz Haury: l'ecuenne: no diopuigne Бернулки Pn(R) = Cn · pk (1-p) h-k = Ch · pk & h-k  $P_{h}(k) = C_{100}$  0.8 0.2 =  $\frac{100!}{85!15!}$   $0.8^{85}$   $0.2^{\frac{15}{2}}$ = 0,0481 3ggars N2 P=0,0004 - lepoainout reperopanne 1 Quehorce, h=5000 - Kon-lo reamoner Hauru: 1) 6 neplué gene neperpar О лашкой 2) Meperopar 2 roumonnes Perneme: Congeno pampesenemen Myaccons 2=p.n=0,0004.5000 = 2 ①  $\int_{0}^{\infty} \frac{1}{0!} e^{-2} = \frac{1}{1 \cdot e^{2}} = \frac{1}{2,3989} \approx 0,14$ 2)  $P_2 \sim \frac{2^2}{2!} e^{-2} = \frac{4}{2e^2} = \frac{2}{e^2} = \frac{2}{7,3589} \sim 0,27$ 

3ggars N3 n=144 K = 70 Harry: P144 (20) Pemenne: Chapulyae
Phalas = Ch p 8 Coraque Lep ny my (1) fo (1) fo 144! (1) = 144! (1) = 144! (2) = P144 (20) = ≈ 0,628 | h\_=10 | | h\_=11 | Buraenulant | K\_1=9 | NO 2 MINER 3ggara N4 a) Koncola bepositiveit, iso le chory denne <u>Pemenne:</u> Bepositiveit, iso 2 mars, lugary, cy 1-vii reposker denne: Por= 7 6 vy 1-vii reposker Bepoarmers, 2002 men, lugaren. ez 2-04 Reposku Senne; PS\_2= 11 · w la mares derne => Bepoainucia, 40 P=P81.Ps== 9.10.10.11 ~ 0,31 6.7.8.9

3agars N4 (hpogonnemme) nepedpaglipolise ) Try zagary levulew Ecru un cuecuaen maper us la mapa glyx kupodok (neperunun l'orgennym kaposky), roga 39929 ogger rakun. Bognoù koposke l noropoù 21 euse, 16 uz noropux deane lunumant 4 Mara Kareola Repositució, 250 2 ny mux senne?  $P = \frac{C_{K} \cdot C_{N-K}}{C_{N}} = \frac{C_{K} \cdot C_{N-K}}{C_{N}} = \frac{C_{N} \cdot C_{N}}{C_{N}} = \frac{120 \cdot 10}{5985} \approx 0,2$ 6) Hausien lepoanucie vous, vous men furançament me dermin mass: Pusi = 3 : 3 ; Puse = 11 :0  $= 7 \quad P_{H\delta} = P_{H\delta_1} \cdot P_{H\delta_2} = \frac{1.2.2.3}{3.5.5.11} = \frac{1}{3.5.5.11} = \frac{1}{8.25}$ Bresur bepoarmil row, yo byser xora 64 1 mep benner:  $P = 1 - \frac{1}{826} = \frac{829}{825} \approx 0,999$