$\times \sim \text{Ber}(\rho)$ $g_{\times}(s) = \{S^{\times} = S^{\circ}, q + S^{\circ}, p = q + ps\}$

6. Sunomno pajnpegeneune e norpanerop n u p boposentucius. $X_1, X_2 - X_1$ u ospaj ybanise $X = \sum_{j=1}^{N} X_j$ spor yanexu uzmenigy n encurearmenta X & Bi (u,p)

Inbopgenne Hena X & bî (4p). Tronaba:

a) gx(s) = (2+ps) n 8/ [X = up; 0X = upa

b) x 0 | k | n

(x) a) $\chi = \sum_{j=1}^{n} \chi_{j} = g_{\chi(s)} = \int_{j=1}^{n} g_{\chi_{j}}(s) = (g + ps)^{n}$ 8) $\mathbb{E}_{X} = \mathbb{E}_{j=1}^{n} X_{j} = \mathbb{E}_{j=1}^{n} \mathbb{E}_{X_{j}} = n.p.$

 $\partial X = D \stackrel{\text{N}}{\geq} X_j \stackrel{\text{heigh}}{=} \stackrel{\text{N}}{\geq} \partial X_j = n.p.q$

b) $k! |p(x=k)=g(x)(0), 0 \le k \le n$ $\frac{d^{-k}(q+ps)^{-n}}{ds^{-k}(q+ps)^{-k}} = n(n-1)(n-k+1)(q+ps)^{-n-k}$

= u(n-L)-- (n-K+L) 2 n-KpK = € X ~ bi (100 000; 0,01) spori zapazenn bypnami ce = K! P(X=K)

B. les venjourns paymegenenne

Depunyus $X \in Ge(p)$ $Y = M, M = \sum_{i=1}^{s} X_i = 1 - 1$ and got negatives go nopbu yenex (reomenfamo paspegerena)