hopgenie (depravenion) flena X & Gelp). Lonaba + m zo 4 nz 1 18 (xz m+x/xzm)= = |f(x2x)=gk, x20 Dow) P(xzl) = & p.qi = p.ql & # 2i = #91 = ql moraba $P(x \ge m + \kappa / x \ge m) = \frac{P(x \ge m + \kappa / x \ge m)}{1P(x \ge m)} = \frac{1P(x \ge m + \kappa)}{1P(x \ge m)}$ $= \frac{g_{m+k}}{g_{m}} = g_{k} = \Re(x_{2k}) +$ 1 (x25/x23) = 1 (x22) X~ Ge/B) T. Unpuyarenen dunon beformagne $X \in NB(r,p)$ $u = nn \{j \ge 1 \ge xr = r\} - r$ when oper negation go rule yours ⊕ r=1 NB (1,p) = Ge(p) Introposition $X \in NB(r,p)$, not $X = \sum_{j=1}^{N} Y_j$, utgent $Y_j \in Gelpl \ 1 \le j \le r$ is a negative. It is the superiority (=2 XENB (2,p) 0001001 4, 42 We yorkepun, re 4, Il 42. Sans e, re X = 4, + 42 Neno e, re 4, & Gelpl 4 42 & Gelpl H(4,-l)4=m)="1P(4,=l)1P(4=m) + l, m 20 P(X=0, Xe=0, Xen=1, Nen=0, - Xen=0, Xen+2=1) = -- = P(4, = l) 1P(4=m) = > nejabacunu Andropgume: $X \sim NB(r,p)$, who $g_X(s) = \begin{cases} p \\ 1-qs \end{cases}$, $f_X = rP$, DY = rPAnd $f_X = f_z = f_z = f_z = r$, $f_z = r$, $f_z = r$, $f_z = r$ 9x(s) Thop 1 94;(s) = (1-95) DX = D & Y; Ky, & DY; = 1. 12