Leitne 9 September Det 7

Muham Sol Possel (4) (6) X was (maly more pringle)

(7) (6) X was (maly more pringle)

(8) (7) (8) X or Hypogeneria (3, 4, 10) 10 carls, 4R, 6B P (seig x R enla)? = Sygno(X)= { 9,1,2,3} ((ser) x R c.s., dry) = (4)(6) X~ Hypymm (7,4,10) Sygno(2) = {1,2,3,43 $P(x_1) \propto R, dmy = \frac{4}{2} \frac{6}{9-2}$ X 2 Hypryma (9, 4, 10) 5 zym (x) = { 3,43 (Key x R, by 10) = (4)(6)(10) X - Hyprycan (10,4,10) $P(X=4) = \binom{4}{6}\binom{6}{6} = 1$ Eyym (x) = {43 X~ Degrove (4) > \$66 × 2 € 4 m.p. 1 de)= \$ f(0=1, f(0)=0, # x ≠ (X ~ Dayme(c) =>

F(x) = { 0 x/x<(1 x/x2c

Back to pypygenence X~ Hypogennes (n, KN)= 4 = (e) ... My? Syma () deputs. my (Sund (x)) 3 Epp(x) = { mix & mx 18 ..., mm (6, 43)} Jungin if K, oh #f sol snauses, wir, from of N, K=pN X~ Hyprogram (h, pN, N) differer parmensen 4 6 21, ..., N3 $f(x) = \frac{\binom{pn}{x}\binom{M(p)}{n-x}}{\binom{N}{n}}$ P < {0, to, to, ..., 1} ≠ (0,1)

Who if N-200? This new ne grant sulf-day's without regliance grymone...

/m (pN)! (M-p)! , h! (M-n)!
N-200 (pN-x)! x! (M-p-6-x)!(h-x)! = 6-x)! x! w = (pN-x)! (M-p) (m-y)! (N-y)! (gN) (pN-) (pN-2) ... (pN-X+1) (M-p) (M-p) -1) (M-p) -2) ... (M-p) -(5-2) -1)

X tems N.(NA) (NA) (W-n+1) (PN-C) (PN-C) ... (PNwith differ consons Haking the limin for each ... Im RV-12 = P by 1' Hapril's Rule ... Im Wipicos - 1-p by " tensh I'm fajgaj = /im fa) . /in fa) for 4 Sy Whe livin carry. > P*(LP) " *

=> |m fe)= (n) px (1-p) n-x New r.v.