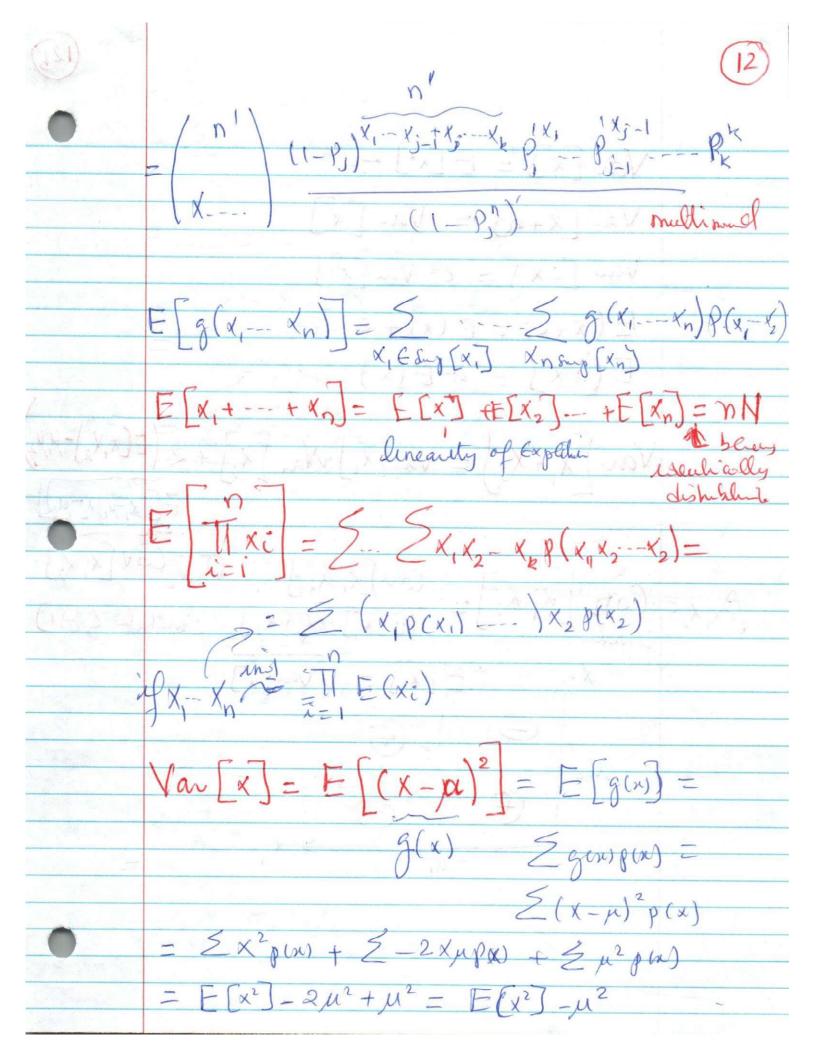


(101)

ind)

let X ~ Mullinmil (n, p) $\frac{N!}{X_1! X_2! - X_h!} P_1^{X_1} - P_k$ X;! (n-x;)! P; (1-P) n-X; $(n-x_j)!$ $p_j = p_j = p_j = p_k$ X, !-X;-!-X;+1! -- Xk! let n = n-x; recell & Xi=n => X, +-X - Kj-j+ Xj+Kj+, X=n X, + -- Xj-1+ Xj+i (P((1-P))x:-(P-(1-Pi)) -= -(Pjei (1-Pj)) --- Pk(1-P. -X: -X -- Xb



$$Van[x] = E[x^2] - \mu^2$$

$$Van[x+\alpha] = Van[x]$$

$$Van[cx] = c^2 Van[x]$$

$$E(x+c) = E(x) + c$$

$$E(ax) = aE(x)$$

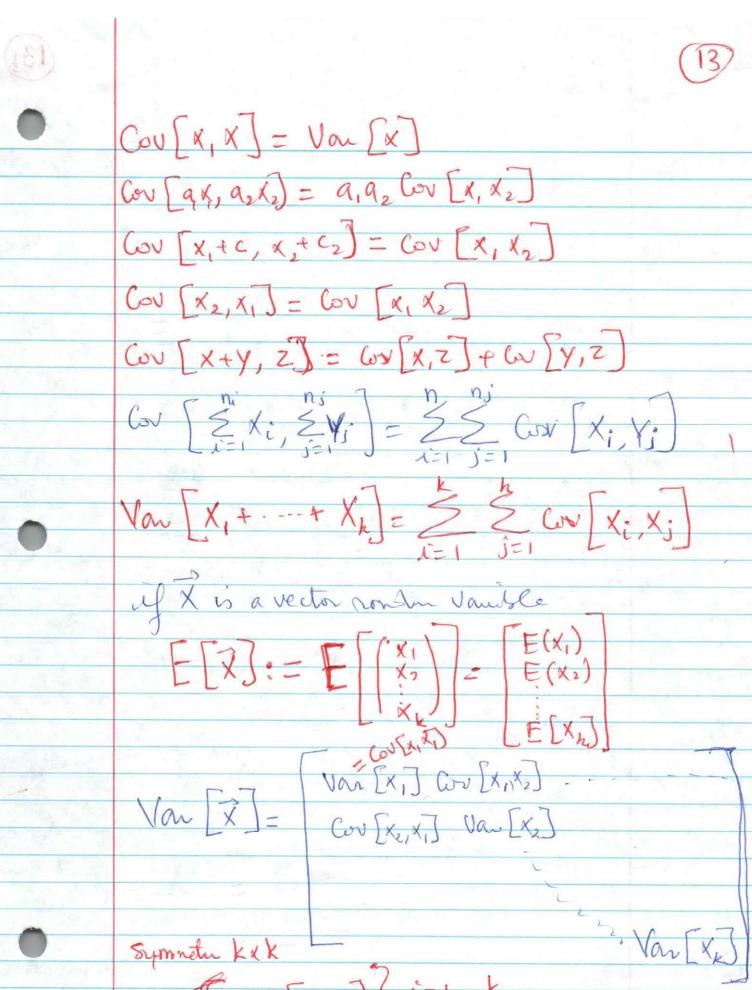
$$Van \left[X_{1} + X_{2} \right] = Van \left[X_{1} \right] + Van \left[X_{2} \right] + 2 \left[\frac{Cov \left[X_{1} X_{2} \right]}{E\left(CX_{1} X_{1} \right) X_{2} - H_{2} \right]}$$

$$\frac{Coyn}{Cx_{1} X_{2}} \left[X_{1} X_{2} \right] = \frac{Cov \left[X_{1} X_{2} \right]}{9E\left[X_{1} \right] 9E\left[X_{2} \right]} \quad Conelal \quad e. E. 1)$$

$$X^{2} \qquad C. E\left[X \right] = \sqrt{Van \left[X \right]}$$

$$H_{2} \qquad H_{3} \qquad A$$

$$H_{4} \qquad A$$



\$ 60 [Xi, Xj] } i=1-k