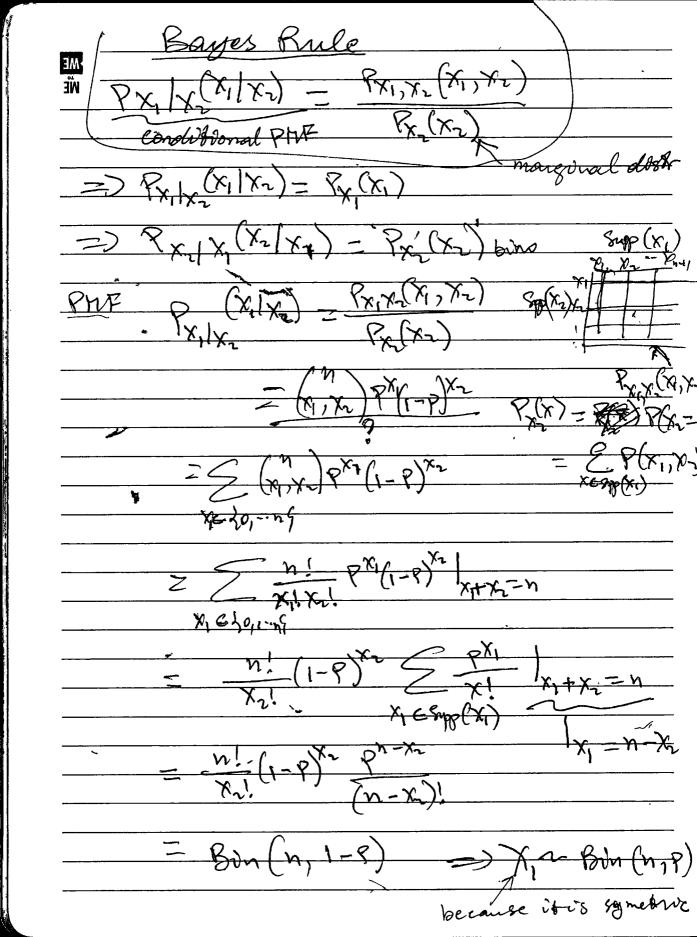
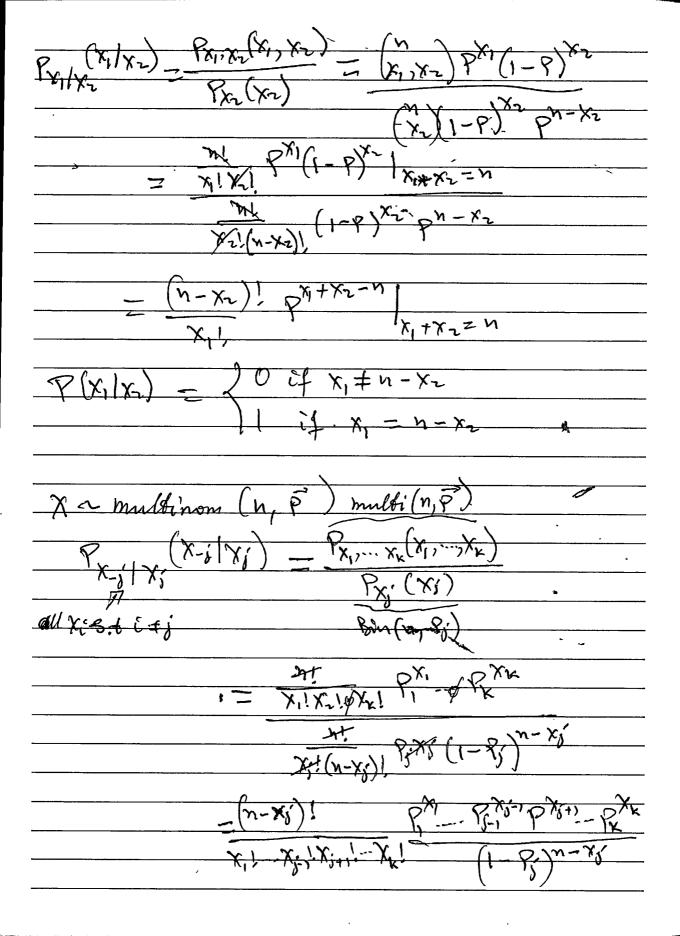
9/4/7 ×~ multinon (n, p)== (x1, x2, -1, x2) Px1 Px2, -- Pxx din(x) - K No wolveeter franction since multichoose os o unless Exi-n x toxieNo Supe (x) = 3x-12-naxeno (. Parane Space PEZE: EE (0,1) & E.T=19 P(gessey 3 apples, 2 bounaires, 5 Constages) $=\frac{\binom{10}{3,2,5}\binom{1}{4}\binom{1}{5}\binom{5}{5}\binom{5}{5}}{\binom{5}{5}\binom{5}{5}}$ If PA = 4, PB = 8, Pc = 5 $\mathbb{P}\left(\overline{X} = \begin{bmatrix} 3 \\ 3 \end{bmatrix}\right) = \left(\frac{10}{3,2,5}\right) \left(\frac{1}{4}\right)^{2} \left(\frac{1}{8}\right)^{2} \left(\frac{1}{8}\right)^{5}$ let k = 2 , P = (1-82) $P(\overline{x}) = P(x_1, x_2) = \text{mulbinom}(n, (1-\overline{x}) = (x_1, x_2)P(1-\overline{x})^2$ $\overline{x} = [x_1] + \text{Ben}(x_1 P) + (x_1 e s_1 p(x_2) + (x_2 e s_2 p(x_2))$ Por X, X2 ricol ? = Px, Xx(X1, X2) = Px(x1) Px(x2) No molepandent





-9: N- (8/(1-8)) - (8/(1-8)) - (8/(1-8)) (N-8) N'
(N-8) N' $X \in Spp(x_1)$ $X_n \in Sup(x_n)$ --- EXX-Xp(x,-x, x) No independent E(MX)= 8-8

E((X-M) 2(x) px = 5(x-u)2px Ex2 P(x) + 2 - 2x4 P(x) + 5 E(X2) - 242+ (x+8) - 1(x) Var(CX) = c2 Var(X) (X, +X2) - (M+42))2 Var (X, + X2) = (E(XIX2)

