-19.0, 6.67260 6.00 Bed 20.00 124 Police: (1) T(ô) = T(g(M,...,Mn)) - Tog(M,...,Mn) λεσια τιτ σα σίκεια κούλ σκιωνα β Θ σκ Δεσια τιτ σα σίκεια κούλ σκιωνα β Θ σκ 18-1-1-87 (1) Sa 211/2 (2) 1/3-1-1-10/10 8 6 1/2-10/10

$$E(\vec{x}) = \frac{2}{\lambda} = M_1 = \vec{X} \implies \frac{1}{\lambda} = \frac{7}{\lambda}$$

$$Var(X) = \frac{2}{\lambda^2} = M_2 - M_1 = D$$

$$T_1 = \left(\frac{E}{\lambda^2} \times \hat{X}_1 \right)^2 = \left(\frac{1}{\lambda} \right)^2 = \left(\frac{2}{\lambda} \right)^2 = \frac{41}{\lambda^2}$$

$$C_1 = \frac{1}{4} \quad | p > 0$$

$$T_2 = \underbrace{E}_{1} \times \hat{X}_1^2 + \underbrace{X}_1^2 + \underbrace{X}_2^2 - \underbrace{E}_{1} \times X_1^2 - \underbrace{X}_2^2 + \underbrace{E}_{1} \times X_1^2 - \underbrace{X}_1^2 - \underbrace{X}_1^$$

f = (4) = 8] = (x):30 dice (,M) = ,M-1M= (1-,M),M=(1-x) x=,T M= E(X) = } g(4,)=(+)2-+=1-P=19(x) $T_2 = \frac{1}{h} \frac{\hat{\xi}}{\hat{\xi}} (\chi_i - \bar{\chi})^2 = M_2 - M_1^2 = \hat{\xi} (M_1, M_2)$ M= E(1) = } $M_{2} = E(X^{2}) = Var(X) + E(X)^{2} = \frac{1-p}{p_{2}} + \left(\frac{1}{p_{2}}\right) = \frac{2-p}{p_{2}}$ $X_{1}Geo(p)$ $Y_{2} = \frac{1-p}{p_{2}} - \left(\frac{1}{p}\right)^{2} = \frac{2-p}{p_{2}} - \frac{1}{p_{2}} = \frac{1-p}{p_{2}} - Var(X)$ = 之「大色(水-大学+ 長春文2 - 大 = = = [M2-M2 + X2-X] = = [M2-M2 + M2-M2 = = [M2-M] = f(M1,M2) f(M, M2) = = [M2-M] = = [2-P-P] = = [2-P-P] = 1 2-2P 1-P var (x)

$$E(T_{1}) = E(\overline{X}(\overline{X}-1)) = E(\overline{X}^{2}-\overline{X}) - E(\overline{X}^{2}) - E(\overline{X})$$

$$= \sqrt{\alpha}(\overline{X}) + E(\overline{X})^{2} - E(\overline{X}) = \frac{1}{2} \sqrt{\alpha}(\overline{X}) + E(\overline{X})^{2} - E(\overline{X})$$

$$= \frac{1}{n} \left[\frac{(1-p)}{p^{2}} \right] + \left(\frac{1}{p} \right)^{2} - \frac{1}{p} = \frac{1-p}{n-p} + \frac{1}{p^{2}} - \frac{1}{p} = \frac{1-p}{n-p}$$

$$= \frac{1-p+n-np}{np^{2}} = \frac{(1-p)}{n-p^{2}} + n \frac{(1-p)}{n-p^{2}} = \frac{(-p)}{n-p^{2}} - \frac{n+1}{n} = \frac{1-p}{n-p^{2}}$$

$$= \frac{1-p+n-np}{np^{2}} = \frac{(1-p)}{n-p^{2}} + n \frac{(1-p)}{n-p^{2}} = \frac{(-p)}{n-p^{2}} - \frac{n+1}{n} = \frac{1-p}{n-p^{2}}$$

$$= \frac{1-p+n-np}{n-p^{2}} = \frac{(1-p)}{n-p^{2}} + \frac{1-p+n-p}{n-p^{2}} = \frac$$



