Duchepell E(8-E9)=0 quarente Ag = E(g-Eg)2 De coto Eg2co - Bupober Teopeeux (npo bu-ri guenepeii) E 9220 (1) A @ 30 (2) Ag=0 == 5 = Eg W. 4 (3) Ag = Eg2-(Eg)2

(4) Dla+88) = Albe) = 6 De (5) Rg = non B(g-c)2 E & = arg nun E (g-e)2 Guarenne & = TDG Eignenenne 86.6. 8. ceneguso - wagparuza 1814 2 (1) (9-Eg)2 >0 (2) E (8-E8) = 0 (= 5 (6-E8) = 0 4.4. (3) Dg = E (g2-2 g E - q + (Eg)2) = = Eg2-2Eg Eg+(Eg)2 = Eg2-(Eg) (4) D(a+89) = E(a+89-E(a+8))2= = E (a+69 - a + 8Eg)2 = E62(8-Eg)2 = 620 g (5) E(9-0)2 = E(9-E9+E9-0)2= = E((g-Eg)2+2(g-Eg)(Eg-e)+ + (E& -e)2) = E (8-Eg)2+ + 2(Eq-e) E(q-Eq) +(Fq-e)2= = Ag + (Fg-e)2 7Ag (e=Fg)

Teopeura (npo etrucrement quenep A & = 5 (x-Eg) dFg(x) = 5 x dFg(x) - (Eg) = a) P(g=xn)=Pn => A & = Z (xn-Eg)2 Pn = = $\frac{2}{n_{gl}} \times \frac{2}{n_{gl}} + \frac{2}{n_{gl}} = \frac{2}{n_{gl}} \times \frac{2}{n_{gl}} + \frac{2}{n_{gl}} \times \frac{2}{n_{gl}} = \frac{2}{n_{gl}} \times \frac{$ = 1 x 2 fe (x) dx - (Fg)2 · Eg(g) = 5 g(x) dFg(x), g(x) = (x-Eg)2 $\mathcal{D}_{g} = E_{g}^{2} - (E_{g})^{2}, g(x) = x^{2}$ $E_{g}(g) = \int_{\mathcal{D}} g(x) f_{g}(x) dx$ Приклади 1. 5 = 14, 40 7 $E I_A = P(A)$, $Q(I_A) = E I_A^2 - P^2(A) = P(A) - P(A) - P(A) = P(A) - P(A) - P(A) = P(A) - P(A) - P(A) - P(A) = P(A) - P(A)$ 2. Avenepelse Simourianthoso rejudging. Pg (Z) = Z Z P(g=k) 9/5 (7) = = E KP(g=k) = E & 9/5 (4) = = K(K-1) = 1-2 p(g=k) | = = Eg(g-1) Ag = Eg2 - (Eg)2 = 4"(1) + Fg - (Eg)2 9 (2) = (p2+q)K, Eg=np = ehpqu-t, K=gn 4 (1) = n(u-1)p2 (ps+q) n-2 = u(u-1)p2 BE = n(n-1)p2 + up - (np)2 = up - np= upg D (5- np)= 1

reasureproservent popularin $P(\xi = k) = PQ^{k-1}, k \ge 1$ $Y_{\xi}(z) = \frac{pz}{p^2}, k \ge 1$ $P(\xi = k) = PQ^{k-1}, k \ge 1$ Eq =1 4/8 (2) = f (1-92)2 (1-92)2, Lg (+) = dp8 $(A g = \frac{2q}{p^2} + \frac{1}{p} - \frac{1}{p^2} = \frac{q}{p^2} + \frac{q}{p^2}$ 4. Poznegin Ayaccona 4 (2) = = (12) = = exp(-1+12) Eg=1 Qg=12+1-12=1 The = of rocopiyieum baponyii 1 - gre reguesing Pryaccona 6. Pibuacipuecci pg-n $\Re = \int_{a}^{6} \frac{2}{6-a} \frac{(1/9/6)}{dx} - \left(\frac{a+8}{2}\right)^{2} = \left(\frac{6-a}{2}\right)^{2}$ Moraj muko Bari poj-A EF = Ta Exp(1) Dg = 5 + 10 - 14 dx - 1= 1= 4. Kopensoneite 8 = NIge, az F = sitar DE = or DP Dr= 5 x = e 2 dx = 1 D= =0