\$ ~ R (00) 0 > 0 вер морель i Xa bhopila のことだっ 23 差れ Un= 11 2 1] = 是 Un= 是 1 2 2 0 Do, 2 Di Zni z 4 Z Dni = 4 n D 5 z 4 02 30 n n 200 1 Fi = Mmin | min (5, 5, 1 ~ 7- (7- F(s)) MOL = MI Mnin | Sty/2 h (1- F(s)) p(y) = 4 O2 = Min = 11 (7- 2 1 7 (90) MIN 7 2 /9 1 0 (1- 6) 1 dy 2 (+ = 4 >) 2 | t on (1-t) 1-1 | t = h oB(2,n) = 1864 | B(P,9/2) |
= h o \(\frac{1}{(2)} \) \(\frac{1}{(n)} = h \operatorname \) \(\frac{1}{(n+1)} \) \(\frac{1}{(n+2)} \) \(\frac{1}{(he ron or neurous

acripa Ban D2 = (n+1) Main - receivery M[xmin] = | jon (1- 5) - 1 oly z $\frac{1}{2} \left(\frac{1}{\theta^2} + \frac{1}{n} \left(\frac{1}{1} - \frac{1}{4} \right) \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+1} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1} \right) d + 2 \theta^2 h B (3, n) = \frac{1}{2} \left(\frac{1}{n+2} \right) d + 2 \theta^2 h$ $\frac{2}{2} \frac{n}{(n+1)^{2}(n+2)}$ $\frac{2}{2} \left[\frac{n}{(n+2)^{2}(n+2)} \right] \times \frac{n}{(n+2)^{2}} = \frac{n}{(n+2)^{2}$ P(102-012E) > P(0120+E)=\$ = I(xmin = 0+E)= P(n=, n=, n=, n=)= = 17 P (N, 7 0+E) = (1-F(0+E)) = $= (1 - \Theta + E)^n$ $= (1 - \Theta +$

3) P3 = 22 max) 20 = Fay (max = (Fa)) Brown Panix (9)= n (F(5)) 1 - 7 (4) (9, 0)

M Loi J = gh (5) 1 - 4y = n / 4 dg = n 0 B = n+1 x nax - xec ne cy.

M[0],] = 1 g n (f) n-1 1 dg = n (g n+1) g dg = n (g $\frac{\partial^{2} h}{\partial L} = \frac{\partial^{2} h}$ Cocmo & merolling 9/ Dy Z Knin + Knan M[=] = M[nmin]+M[main] = + 10 = 0 DI By 7 2 DINnin 7 + D[Mman 7 + 2 cov (Man, 1/2) Covince, Knin) 2 MINnin Knan 7 - MINNIN D. MEXONIC.

8(4, 2) = n(n-1) (F(2) - F(4)) 1 8(2) 8(3) MINMA Kman 7 Z SS g z · h (n-1) (= - 2) 1 1 dzdy = | dz | 5 z (tn-1)n (= -2) $\frac{7}{6^{2}}dg = < t = \frac{2}{2} \Rightarrow z = n(n-1) \int_{0}^{6} dz \int_{0}^{7} z^{2} dz$ $(z-tz)^{n-2}d + z = n(n-1) \int_{0}^{6} z^{n+1}dz \int_{0}^{7} (1-t)^{n-2}dz$ $\frac{1}{2} \frac{h(h-1)}{\theta h} \int_{\mathbb{R}}^{h+1} \frac{1}{h(h-1)} dz = \frac{\theta^2}{(h+2)\theta^2} \frac{\theta^2}{h+2}$ $CoV(2min, Nmon) = \frac{\theta^2}{n+2} - \frac{\theta}{n+1} \cdot \frac{n\theta}{n+1} = \frac{\theta^2}{(nn)(n-1)}$ $D = \frac{\theta^2}{n+1} \cdot \frac{n+1}{n+1} \cdot \frac{n+1}{n+1} = \frac{\theta^2}{(nn)(n-1)}$ $= \frac{\theta^2}{n+1} \cdot \frac{n+1}{n+1} \cdot \frac{n+1}{n+1} = \frac{\theta^2}{(nn)(nn)}$ $\frac{20^{3}}{(n+2)(n+q)}$ $\frac{9}{h}$ $\frac{0}{1000}$ Cochos me 1611000. 5) Set 85 122 24 2 0 = 11, + 22 2 2 (n-1) MIR] = M(Lx, 7 + n-1 + n-1 M2 n. 7=

DIE]= DIX,] + 11-7 DIN,] = 12 (1+1) 7, + 1-7 = 1/2 / 2 - ne 201. Compan. Joppe up & noing: Θ_2 Θ_3 , Θ_4 - 6a up u_1 u_2 u_3 u_4 u_4 u_5 u_6 u_6 n, z 5 (n-1)² e dn z 5 n 2 e dn - 2 5 n e dx + 5 e dx = 2 - 2 + 1 = 1

m, = J (n-1) e ndn z Jn e ndn - 3 Jn e z 13 Ine dr = se dn = 6-3-2+3-1-1=2 J Z My = 2 2 9) Igephore ogenen no cho che h = 2,344 = 1 | S = 1 | (n - x) M2 = 17 (2 - 12) 1 / M2 n 2 = (n - 12)2 P(z) z 3 (1-(z-ni)) d) y 177: Vn Zn - 2x ~ ~ ~ N(0)

Z, -2, ~ N(0) X, -2, 2) 2, M N(Z, X, -Z, 2 h=3 $\mathcal{H}_h=(\mathcal{K}_1,\dots,\mathcal{K}_h)$ $f(n)=1-e^{-\frac{2\pi}{9}}$ # = (k, k, k,) -O, zn O, z Main Frank O, z Kes 3-pln/ ML37= Sx. e- x dn = 1 Sx e dn= M[3]] = 1 Sure odx = 1 .2.0; = 20° DI 37 = U [32] - U[372 = 02 a) MI =] = MI = En,] = 7 ME Ex;] = 7. nM = J =

M(5,]: 63=2(2) Turn (n-1 e + (1-e +) M-K k22 \$1/2) ~ h (n-1 & - 1 - 2) (e =) = = h(n-y) (1-e=) (e=) n-1 M[0]] = n(n-1) (1-e = 1) e = 1 (n-1) duz = n(n-1) (2 - n (n-1) dn + (ne - 5 n dn) z $\frac{1}{2} \frac{h(n-1)(\theta^2-\theta^2)}{\theta} \frac{h(n-1)\theta}{h^2} \frac{2h-1}{h-1} \frac{h(n-1)\theta}{h} \frac{2h-1}{h(n-1)\theta}$ 0, - n(n-1) n(2) - Hecres