(1) Check pacuper & copyer Buge Penepayus by chech!

P(x) = Z The Pk(x10) Z Ti = 1 Ti > 0 to Diserete (T) = x ~P4(x10) MILLO EM Odyan Rep. regent: p(x,t) = [[The pr(x10)]th te 10,13h Zti=1 Mpolepier: = p(x,t) = p(x) Xs, ... , Xx ~ p(x) NMN: p(x 1 T, 0) = max P(XITITIO) = DIT [TIL PL(X10)] tolk E-man: q(T) = p(TIX, T, D) ~ p(X, TIT, 0) = [] qu(tu) 9 m (+m) x D (The pre (Xm 10)] there = q (the = 1) = The Pre (Xm 10) = The M-mars Eq leg p (X,TTT, 0) = Eq Z Z tom (log the + log pu (x, 10)) =

= (Etne = Tome 3 = Z tome (leg the + log pa (x, 10)) The = The N of Marpaulia Zinjes Outure O Jabucia of regener: The lop Pu (x, 10) - max (2) Konepennech house checy x2,..., XN ~ TPs(x) + (1-2) P2(x) Ps(x): 2 (1-2) 0 P2(x): 0 (1-3) B do, po, to = 2 N1=30 N2=20 N3=60 Mogeno: Zn = [xn = px] p(x, = 10, x, b) = n (xpx (an x)) = [(10) px (4n/p)] (1-2) E: $q(2) = \int_{1}^{1} q_{1}(2n)$ $q_{1}(2n-1) = \frac{\partial p_{1}(x_{1}|x)}{\partial p_{1}(x_{1}|x) + (1-\partial)p_{2}(x_{1}|p_{3})}$ $X_{n} = 1 \Rightarrow \lambda_{1} = \lambda_{1} = \lambda_{2} = \frac{\partial p_{1}(x_{1}|x)}{\partial p_{1}(1-\partial)(1-\partial)(1-p_{3})}$ $\lambda_{3} = 0$ λ = 9 (2=1)/x== M: Ez lap p(x, + |d, p, 2) = 70/0g(1-2) + 10/0g(1p) + 60/0g p + 40/0g 2 + 30/0g x+ (3) Pachpeg. Grangewith. $(1+\frac{1}{V}(\frac{x-y}{5})^2)^{-\frac{3+1}{2}}$ $\frac{\pm x=y}{Dx=5^2}$ $\frac{1}{V-2}$ $\frac{1}$ Dow of In N(M, 62) D=10 - In N orem English XERD I (x/M, E, d) x (1 + 1 (x-M) = 2+0 Ex=M Devx = 1-2 E $T(x/\mu, Z, D) = \int_{0}^{\infty} N(x/\mu, \frac{1}{2}\Sigma) G(z/\frac{D}{2}, \frac{D}{2}) dz \qquad Z \in \mathbb{R}^{+} - \text{henpepeluon}$ check
pachpey. 2) Tenepayur y Georgenox: Z~G~ X~N(. 12) (9) XS ... , XN ~ T(X/M, Z, D) MNL , ENC, PAL -? MMN rampanyo cromus log (1+ Maxananodue). Therenen EM. p(x,2) M, Z, J) = [N(xn | M, \frac{1}{24} \) G(2n | \frac{1}{2}, \frac{1}{2})

E-war: 9(2) = 179(2n) 9, (2n) 2 N(xn /4, \$\frac{1}{2}\) \((2n / \frac{1}{2}, \frac{1}{2}) = \(\frac{1}{2} \) (\(\frac{1}{2} \) \(\frac{1}{2} \) = \(\frac{1}{2} \) (\(\frac{1}{2} \) \(\frac{ an = D+D bn = 2+ 2 (xn-1) T Z - (xn-1) En log p(x, 2/N, 2, 2) × Z [2 E/g 2n - 2 log / 21 - En] × - (xn-/4) + 2 log 2 - log ((2) + (2-1) E log 2n - 2 En]

Uj goes. com. G: Ezn = an , Elop In = Y(an) - lop bu quiama q-yux

2 = 5 F2 5-1(x-1) -0 > y = E Zn Xn = Jan lop (an) $\int_{\mu}^{2} Z_{n} E_{n} \Sigma^{-1}(x_{n} - \mu) = 0 \Rightarrow \mu = \frac{\sum_{n}^{\infty} E_{n} x_{n}}{\sum_{n}^{\infty} E_{n}}$ S= N = Es (xn-p)(xn-p) T D: NES anancis. populer = opnomephase
onsum. bornyson prus. (3) Creek pacypeg. Couppens $p(x) = \sum_{k} \pi_{k} T(x) \mu_{k} \sum_{k} U_{k}$) $p(x) = \sum_{k} \pi_{k} T(x) \mu_{k} \sum_{k} U_{k}$ $p(x) = \sum_{k} \pi_{k} T(x) \mu_{k} \sum_{k} U_{k}$ $p(x) = \prod_{k} T(x) \mu_{k} \sum_{k} U_{k}$ E-man: 9(7,2) = 17 9(2, ta) = 12 9(2n /ta) 9 (ta) 9(Th) ~ [[The N (Xn | Mk, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2})] the 9(th) ~ [(\frac{1}{2}, \frac{1}{2}n) \delta = \frac{1}{2} \frac The I (X.) fre, It, Da) , The 9(2n/tnk) × 9(2n,ta) 9(2n/tnk=1) × The · N·G = G(2n/anu, Buk) ank = D+De Enk = De + L(Mn-Hu) TE (Xn-Mu) Egita) tak Eglanting Zn Eglan 1 the log in Eg log p (x,2, T/p, D, E, TI) = Eg Z Z tue [logthe + log N (xn/ple, 2 Zh) + log G (2n 12 Vh)= = ZZ Eg (tun (leg T/k + log N+log G)) = 7= = = Inn (logTh + & FlogEn - 2 log 154 - E2 (Xn-ML) T Z 1 (XL-ML) + 2 log 2 -- log ((1/2) + (1/2-1) Flog 2n - 1/2 EZ,) en Eglant to = 1) top 2n 7/2 = 2 Thu E 2n Ex (Xn - Mu) =0 Mu = 2 Thu E 2n Xn -4-4-Z Eq Z the f(2) = Z Z q(th=i) f q(2) th=i) Z the f(2) ol 2n = 1 th= 1, ocranence = q thoro: Ja Ty me examinació memen brueco paperenus checu Dombonas parsuya 6 head xapunaan cononepuas annungayun ho D no D memno u upocro puncupalament 6388. = XAX = (A+47)X

DXAX = (A+AT)X
DA logolet A = (del A)AT
DA x Ay = XyT