

```
[3] X1, ..., Xn ~ KAT. PACE. T.E. PO (X1=j)= O-j, j & T, K, O = (O1, ..., ON), O-j 20, O, 4...+ON=1.
     HALTY OMO MEAMETER O MORETUS HA COCTOSTER HOUTE
     BEENEN MALOON NORMENLA KARADI KATELOPUN & BOIGOPKE: Nj = [X I (X: = j) jEIN, TOTAA
     L(0) = MOj , l(0) = ln L(0) = \(\Sigma\) in Oj . Torees NoxNo onjunusupolare l(0) c
    THETOM OFFRIM TENUS HA \Theta. The menus meson MIPAHAA, TOUR H(\theta,\lambda) = \sum_{j=1}^{n} n_j \cdot \ell_n \Theta_j + \lambda \left(1 - \sum_{j=1}^{n} \theta_j\right), \frac{\partial H}{\partial \theta_j} = \frac{n_j}{\theta_j} - \lambda = 0 \rightarrow \Theta_j = \frac{n_j}{\lambda}, \sum_{j=1}^{n} \theta_j = 1 \rightarrow \sum_{j=1}^{n} \frac{n_j}{\lambda} = 1 \Rightarrow \lambda \in \Sigma n_j = n,
    J. e. \hat{\theta}_{j} = \frac{n_{j}}{n}, j = TK. Proberum cocjosiene noch: \hat{\theta}_{j} eut Becordince creakes VACTOIL
    norbre Hua KAJEropun j , J.e. no 364 ôj $ 0; Mu noo => Oj - cou. OJEHAA Oj
 [5] X1,..., Xn ~ N (0,02), 0= (0,0) Heysleitho. And 0,95-KBAHTUNU: a) HALTU OMN u ee A.A.,
eun oha A.N.O. 1) CPABHUS ee c 86160 POUNOG KBAHTUNO u ee A.A. Yu. Per. He reserve
  a) L(0,0) = 1 0521 exp(- (x;-0)2) = (2062) 1/2 · exp(-262 5(x;-0)2), e(0,6)=- 1/2 60211- heno- 202,
    - 2(x,-a)2 = 42(x,-x)2 = 52 => 5=5. And 0.95 MEANING HYANA CONGRETARIA A+ 26 =
    1) Qags = X((0.05 m7) ; no ynx In (Qags - a) → N(0, ($\frac{5^2}{4}(0.051)^2)), (re $\frac{5^2}{4}(0.05) \times 1.64, 7.e.
     A.A. (Q0.95) = 62 = 52
[4] X1,... X4 - BENEVA, X1=e, 42 U[9,0], OMO - ? COU.? L-L9?
  p(4)= = 1{4 < [30]} , p(x)= p(enx). = = = 1 {enx e (30)}
  Lx(0)= (0x) 1 {0 < ln X(1) u ln X(1) < 0}, marc. Lx(0) m 0 sum, 1.2. 0= ln X(n)
  HA cen. / rengu novascem, wo am U (0,0) Howell BABULLY or MARAMETRA => 12
  (0000010001: P(|enxing-0|>E) = P(enxin) > 0+E) + P(enxin) < 0-E) =
  = ((c, x; < 0 - E) = (0 - E) n = > -> n n n > 00 , 7 - e, ozenna courrentaga
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