```
17.05.24. Newywe 12.
                            Thunk
                   Tyers 1) (x N(m_1, b_1^2), y \sim N(m_2, b_2^2)

2) m_1, m_2 - \text{neigh}, b_1^2, b_2^2 - \text{neigh}.

5) (x_1 - \text{neigh})

4) (b_1^2 = b_2^2 = b_2^2 - \text{neigh}, \text{no polition})
                        Рассиютрии задачи проверии:
                            (6) - " Ho= 1 m1 = m2 g uperul H1 = 1 m1 > m2 g

(6) - " H1 = 1 m1 < m2 g

(6) - " H1 = 1 m1 ≠ m2 g
                      Permenne:
                    1) Bonomun episepuis apolepeu sumoryor Ho=2m=Mo):

B engral up. quonepeun pr paccular pubanació cranicolar
                                                                                                                  T(X) = X-mo Vn ~ M(Q1)
                                                    . I ryrae neigh queneque
                                                                                                                     7(\vec{x}) = \frac{\vec{x} - m_0}{S(\vec{x})} \sqrt{n} \cdot v \cdot \delta t(n-1)
                                       Tronjoryen apequancies roo-to noxomer & rea yumese:

Ecru se. b. En N(0,1),

2) 4 x x2(n),

3) 3, 4 - nepab,
                                                                                     z = \frac{\xi}{\sqrt{y}} \times st(n-1) - enjeganeure parayes. St
                                    а) рассиотии столистику
                                                                                                T_{y}(\vec{X}_{n_{1}},\vec{Y}_{n_{2}}) = \frac{(n_{1}-1)}{6\pi} \frac{S^{2}(\vec{X}_{n_{2}})}{6\pi} + \frac{(n_{2}-1)}{6\pi} \frac{S^{2}(\vec{Y}_{n_{2}})}{6\pi} \sim \chi^{2}(n_{1}+n_{2}-2)
\chi^{2}(n_{1}-1) \qquad \chi^{2}(n_{2}-1)
\chi^{2}(n_{2}-1) \qquad \chi^{2}(n_{2}-1)
                                                                                                                                                                                                                                                                                                                                                             r. K. X, Y-negal
                                  б) Расситрии столистку
                                                                                           T=(\vec{Kn, \quad \n_2}) = \frac{(\vec{Kn, - \quad \n_2}}{\sigma_2 \hat{m_1 + \sigma_2 \hat{n_2}}} \sqrt{N(0,1)}
                                     b) Moneus askayart, vor c. R. Tz u Ty nejabuennum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           nu Ho
                                                                                                     T(\vec{X}_{N_1}, \vec{Y}_{N_2}) = \frac{T_{\xi}}{\sqrt{T_{Y}}} \sqrt{N_1 + N_2 - \lambda'} = \frac{\vec{X}_{N_1} - \vec{Y}_{N_2}}{\sqrt{D_1^2/N_1 + b_2^2/N_2}} \cdot \frac{\sqrt{N_1 + N_2 - \lambda'}}{\sqrt{(N_1 - 1) \cdot S^2(\vec{X}_{N_1})^2}} \cdot \frac{\sqrt{N_1 + N_2 - \lambda'}}{\sqrt{D_2^2}} \cdot \frac{\vec{X}_{N_1} - \vec{Y}_{N_2}}{\sqrt{N_2}} \cdot \frac{\vec{X}_{N_2} - \vec{X}_{N_2}}{\sqrt{N_2}} \cdot \frac{\vec{X}_{N_2}}{\sqrt{N_2
                                                                                                                                                                                                                                                                                                                                                                      ~ St (no +no-2)
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