Chparka Oup Nyero \$1,..., \$m - Hez, No, 1.

Morda \$2+...+ 8m € 2m Oup Nyero 30,31,..., 3m - Heg, No,1

Motoa \frac{30}{\\$\frac{2}{5}\cdot \text{1...+\\$\frac{2}{5}\mathred{m}}} \equiv Tm Oup Nyemo  $\frac{5}{5}$ ,  $-\frac{5}{5}$ ,  $\frac{5}{1}$ ,  $\frac{7}{1}$ , Ca.M.P(teop.Pumepa) Nycro X = Na,52. Mozoa · X u S2 -HE3  $\frac{\sum_{i=1}^{N} \left(\frac{X_i - a}{5}\right)^2 = \frac{N S_1^2}{5^2} \left(\frac{2}{2} \right)\right)\right)}{2}\right)\right)\right)}{2}\right)\right)}\right)}\right)}\right)}\right)$  $\sum_{i=1}^{n} \left(\frac{x_i - \overline{x}}{5}\right)^2 = \frac{nS^2}{5^2} \in \chi^2_{n-1} \left(\partial_{1} a \overline{b}^2, a - \text{Heigh}\right)$ Tr (x-9) = No,1 (Ore a, 52-upl) 111  $\sqrt{h}\left(\frac{\bar{X}-a}{S_0}\right) \in T_{h-1}\left(\partial_{h}a \alpha, G^2 - new b\right)$  $\chi_{m}^{2} = \Gamma_{1, \frac{m}{2}}; \quad \Gamma_{m} = N_{0, 1}; \quad \Gamma_{1} = C_{0, 1}$ Квантикью уровня р для абс. непр. распр. наз реш. ур-е  $F(x_p) = p$ .

графически  $x_p$ 

Namatka-ospazey das opopmathua pacueth. zadahus
1.) $\vec{X} \in N_{\alpha,G^2}$ a) $\vec{I}  G(\vec{X},\alpha) = \nabla n  \frac{\vec{X}-\alpha}{G} \in N_{0,1}$ $\vec{I}  t \colon P(-t < m(\vec{X}-\alpha) < t) = 1-\epsilon, i.e. t = T_{1-\epsilon_{2}}$ $\vec{I}  P(\vec{X}-T_{1-\epsilon_{2}}) = 1-\epsilon$
On bein: $X = ? t_{1-\frac{6}{2}} = ? P(?242?) = 1-\epsilon$ 5) $I - III = 660 \text{ (bolimicarb)}$ Onbein: $S^2 = ? P(?292?) = 1-\epsilon$
6) $I-III$ (burnicasb)  Ombern: $S_1^2 = ?$ $h_{\xi_2} - ?$ $h_{1-\xi_2} - ?$ $P(? < G^2 < ?) = 1-\xi$ 2) $I-III$ (burnicasb)  Ombern: $S_2^2 = ?$ $h_{\xi_2} - ?$ $h_{1-\xi_2} - ?$ $P(? < G^2 < ?) = 1-\xi$
2 $X_{1},,X_{20} \in N_{a_{1},G_{1}^{2}}, Y_{1},,Y_{30} \in N_{a_{2},G_{2}^{2}}$ a) $H_{0} = \{G_{1}^{2} = G_{2}^{2}\}$ $S = \{0\}$ of $G_{1} = \{u_{1}, u_{2}\}$ $G_{2} = \{u_{1}, u_{2}\}$ $G_{2} = \{u_{1}, u_{2}\}$ $G_{2} = \{u_{2}, u_{2}\}$ $G_{2} = \{u$
Ombem: $dS^2(\vec{x}) = ? S^2(\vec{x}) = ? dF = ? f_{1-\xi} = ?$ Bolbod: repurumaerca (uni orbept.) ocouber runoreza o pab- Be Duch. Ha y pobrie $\xi$ S) $H_0 = ?$ $H_0 = ?$ $H_0 = ?$
Ombern: $X = ? Y = ? + 1 - 4 = ?$ Bolog: — ()
Замеч. Значения квант искать мью втабл, мобо в эксель, но очень вышмательно в

