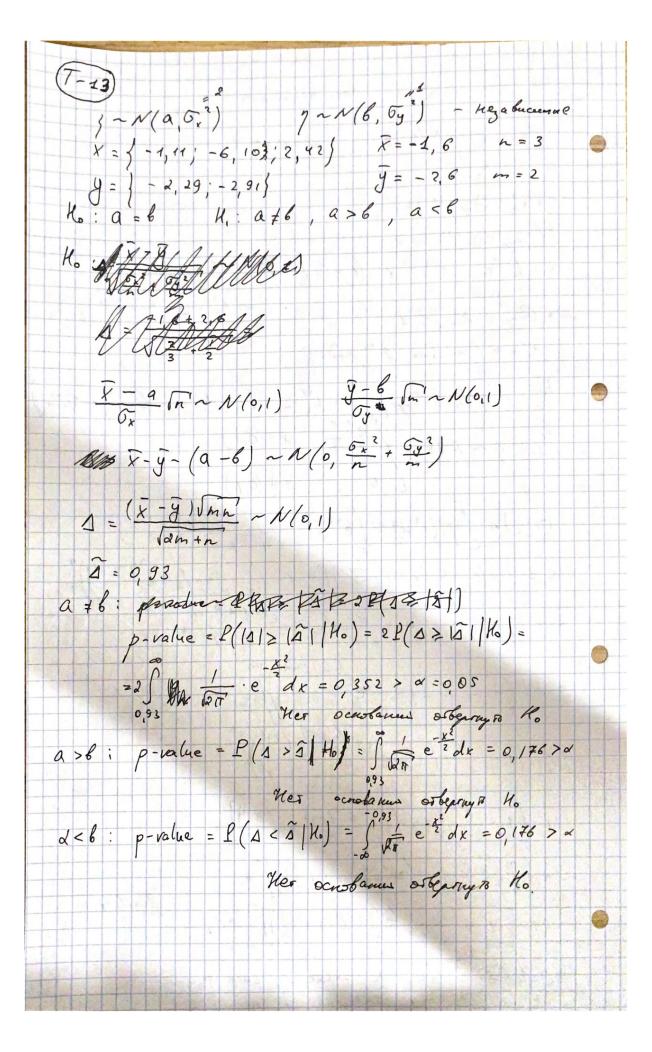
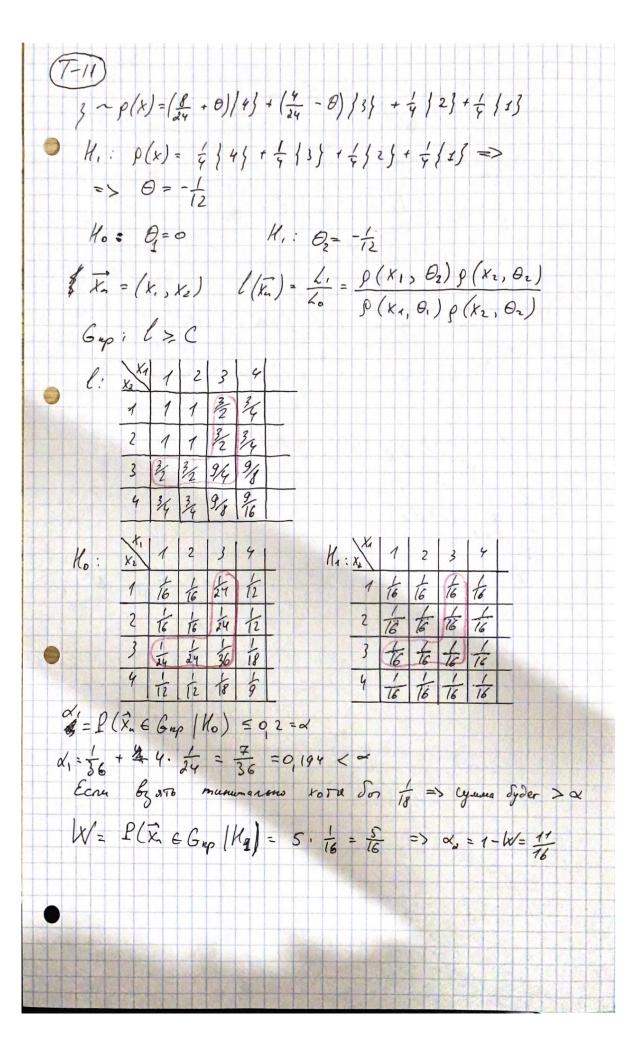
P(x = Gy/Ho) = x P(Xn: < c / Ho) = d d=P(x= <c) = 1-(1-Fo(c)) => (1-Fo(c)) = 1-d => Gyp: Kmin < 1 - 7/1-2 a, = a (oundre 2 ° poda) W=P(xn & Gyp /H.) = P(xmin < C/H.) = 1-(1-1/1-21)  $M_1: g \sim p, (x) = g = \frac{e^{-x}}{e-1}, x \in (0,1)$  $F_{i}(x) = \int_{0}^{x} p_{i}(t) dt = \int_{0}^{x} e^{-t} dt \cdot \frac{e}{e^{-1}} = \frac{e}{e^{-1}} (1 - e^{-x})$ W= 1-(1-Fi(1-71-2))=1-(1-e-1(1-e))= = affe 1 - (1 - e-, (e - ee h (1-x) =)) =  $=1-\left(1-\frac{1}{e-1}\left(e-e^{\frac{1}{2}\ln(1-x)}\right)\right)^{\frac{1}{2}}$ = 1 - (1 - 1 (e - e (1 + h + 0(-1))) = = 1- [1-e (1-(1+ ln(d-x) +0(1)))= = 1 - [1 - e ( - ln (1-x) + 0 (1)) 7 =  $= 1 - \left[ 1 + \frac{e}{e^{-1}} \cdot \frac{\ln(t-a)}{\ln t} + 0 \left( \frac{1}{h} \right) \right] \xrightarrow{2} 1 - e = 0.08$ 1 => essent he sibrilerce cocrossersusea d = 1 - W = 0,92 (oundre 200 poda





T-12) Ho; G2 = 0,1 H,: G3>0,1
h=25 S12=0,2  $L(\Delta > C) H_0) = \alpha \Rightarrow$   $= \sum_{x \neq 0} f(x) dx = \alpha \Rightarrow C = 36, 4$ Grp: 1 > 36,4 W= P(xn ∈ G = /H,) = P(A > C/H,) =  $= \begin{cases} \Delta = \frac{5^{2}(h-1)}{6^{2}} + \frac{3^{2}(h-1)}{6} & \text{as } 5. \text{ Pumeps} \end{cases} =$  $= P\left(\frac{S^{\prime 2}(\mu - 1)}{G^{2}} > C \mid \mathcal{H}_{1}\right) = P\left(\frac{S^{\prime 2}(\mu - 1)}{\Theta^{2}} > \frac{C \cdot \sigma^{2}}{\Theta^{2}} \mid \mathcal{H}_{1}\right) =$   $= \int_{0}^{\infty} \frac{g(x) dx}{\Phi^{2}}$   $\frac{C \cdot \sigma^{2}}{\Phi^{2}} \mid \chi^{2}(24)$   $\frac{C \cdot \sigma^{2}}{\Phi^{2}} \mid \chi^{2}(24)$   $= \int_{0}^{\infty} \frac{g(x) dx}{\Phi^{2}} \mid \chi^{2}(24)$   $= \int_{0}^{\infty} \frac{g(x) dx}{\Phi^{2}} \mid \chi^{2}(24)$ 

