Poly por normal destrible $TP(xi) = \frac{1}{\sqrt{2\pi}} \frac{2(xi-tk)^2}{\sqrt{2\pi}}$ loj (P(x P, Oz) = - h by (Toz JeTi) - 1 & (Toz) $\mathcal{L}_{g}(0,0_{2}) = -n \log \left(0_{2}\tilde{\alpha}_{1}\right) - \frac{1}{2} \leq \left(\frac{n_{1}-0_{1}}{\sqrt{n_{2}}}\right)^{2}$ 2 log (0,0) = - m lon X 2 TT - 1 20 X2TT 2 $\frac{\partial \log(0,0_{\perp})}{\partial 0} = 0 - \frac{1}{20_{\perp}} \underbrace{\sum x_i - n Q_i}$ = - Exit no, $0_1 = \sum_{i}$

for measuring O2 $\frac{d \log(0,0_1) = -h}{d0_1} = \frac{-h}{20_1 2\pi} \times 2\pi + \frac{1}{20_1^2} = (x_i - 0_i)^2$ $= -\frac{n}{202} + \frac{1}{202} + \frac{5}{202} + \frac{1}{202} = \frac{1}{202} + \frac{1}{202} = \frac{1}{202} + \frac{1}{202} = \frac$ Z(n;-0.) - n 20,2 - 202 Q= = (4:-0i)-

