$$X_{1-2} = X_{0,995} \simeq 2,58$$

$$0 + 0 + 7 : \mu \in (5, 95; 8, 05)$$
 $N4$
 $X_{i} \sim N(\mu, 6^{2}) \quad P(x) = \sqrt{2\pi 6^{12}} \quad (x-\mu)^{2}$
 $(x-\mu)^{2}$

$$N(\mu, 6^2)$$
 $P(x) = \frac{1}{\sqrt{2\pi 6^2}}$

$$0 \text{ M} \Pi \hat{\mu}, \hat{6} - 9 \qquad n \qquad 1 \qquad e^{-\frac{(x-\mu)^2}{26^2}} = 1 = 1$$

$$= 1 \qquad \sum_{i=1}^{n} (x_i - \mu)^2 \qquad = \frac{\sum_{i=1}^{n} (x_i - \mu)^2}{1 + \frac{1}{26^2}} = 1$$

$$= \frac{1}{(2 \bar{n} \delta^2)^{n/2}} \cdot e^{-\frac{\sum_{i=1}^{n} (x_i - \mu)^2}{2 \delta^2}}$$

$$\begin{cases} 2nL = -\frac{n}{2} \ln 2\pi - \frac{n}{2} \ln 6^2 - \frac{1}{26^2} \sum_{i=1}^{n} (x_i - \mu)^2 \\ \frac{2\ln L}{2\mu} = \frac{1}{26^2} \sum_{i=1}^{n} 2(x_i - \mu) = \frac{n\pi - n\mu}{6^2} = 0 = n\pi - n\mu = 0 \\ i = 1 \end{cases}$$

$$\frac{\partial^2 z}{\partial x^2} = -\frac{1}{2}$$

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$$\frac{\partial^2 z}{\partial x^2} = \frac{1}{2}$$

$$\frac{\partial \ln L}{\partial d^{2}} = -\frac{n}{2 d^{2}} + \frac{\Sigma}{i=1} (x_{i} - n_{i})^{2} = 0$$

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$$\frac{\partial \ln L}{\partial d^{2}} = -\frac{n}{2 d^{2}} + \frac{\Sigma}{i=1} (x_{i} - n_{i})^{2} = 0$$

$$\frac{1}{2\sigma^{2}} = \frac{1}{2\sigma^{2}} \left(\begin{array}{c} n \\ x_{i} - \mu \end{array} \right)$$

$$\frac{1}{1+1} \left(\begin{array}{c} x_{i} - \mu \\ x_{i} - \mu \end{array} \right)$$

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