La region de rechazo es por tanto:

$$\sup_{\theta \leqslant 0} \left[\frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \left(X_{n} - X_{n} \right) \right] \right] = 2 \qquad \text{s.endo} \quad \phi \left(X_{n} - X_{n} \right) \text{ es test}$$

de hipótesis

$$\phi(x_{i}-x_{in})=\begin{cases} 1 & s: & x_{in} \geq c \\ 0 & s: & x_{in} < c \end{cases}$$

c) Las función de potencia es:

$$A(\theta) = F_{\theta}[\phi(x_n - x_n)] = P_{\theta}(\chi_n) \ge c) = 1 - F_{\chi_n}(c)$$

Calculamos la distribución del minimo para dar la solución

$$F_{x}(x) = \int_{0}^{x} \frac{1}{\lambda} e^{-\frac{1}{\lambda}(t-\theta)} dt = \frac{e^{\frac{\theta}{\lambda}}}{\lambda} \int_{0}^{x} e^{-\frac{1}{\lambda}} dt =$$

$$= \frac{e^{\theta_{\lambda}}}{\lambda} \left[-\frac{e^{-\frac{1}{\lambda}}}{\lambda} \right]_{0}^{x} = e^{\frac{\theta}{\lambda}} \left(e^{-\frac{\theta}{\lambda}} - e^{-\frac{1}{\lambda}} \right) = \int_{0}^{x} e^{-\frac{1}{\lambda}} dt =$$

$$Tucas \left(\cos |\cos t| \cos t \right) = \int_{0}^{x} e^{-\frac{1}{\lambda}(t-\theta)} dt = \int_{0}^{x} e^{-\frac{1}{\lambda}(t-\theta)} dt =$$

$$Tucas \left(\cos |\cos t| \cos t \right) = \int_{0}^{x} e^{-\frac{1}{\lambda}(t-\theta)} dt = \int_{0}^{x} e^{-\frac{1}{\lambda}(t-\theta)} dt =$$

$$Tucas \left(\cos |\cos t| \cos t \right) = \int_{0}^{x} e^{-\frac{1}{\lambda}(t-\theta)} dt = \int_{0}^{x} e^{-$$

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