T.11

Ho: 
$$\xi \sim p_{o}(x) = 1 \xi(o; i) \xi$$

H(i)  $\xi \sim p_{i}(i) = \frac{e}{e-i} \cdot e^{-x} \xi(o; i) \xi$ 

We  $f = \frac{L_{i}}{L_{o}} = \frac{e^{-x}}{1} \cdot e^{-x} \cdot e$ 

$$= \left(\frac{e}{e-1}\right)^{2} \int_{e}^{-x_{1}} dx_{1} \int_{e}^{-x_{2}} dx_{2} = \left(\frac{e}{e-1}\right)^{2} \int_{e}^{-x_{1}} (1-e^{-x}) dx_{1} = -\frac{Ae^{x}e^{x}}{(e-1)^{2}} + \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = \\ = \left(\frac{e}{e-1}\right)^{2} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = Ae^{-x} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = Ae^{-x} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot \left(1-e^{-x}\right) = Ae^{-x} \cdot \left(1-e^{-x}\right) - Ae^{-x} \cdot$$

$$W = P\left(\frac{\sum x_{i} = A | H_{1}}{\sqrt{n}Dx^{7}}\right) = \frac{A - nMx}{\sqrt{n}Dx^{7}} | H_{1} = \frac{P\left(\frac{\sum x_{i} - nMx}{\sqrt{n}Dx^{7}}\right)}{\sqrt{n}Dx^{7}} | H_{2} = \frac{P\left(\frac{\sum x_{i} - nMx}{\sqrt{n}Dx^{7}}\right)}{\sqrt{n}Dx^{7}} | H_{3} = \frac{P\left(\frac{\sum x_{i} - nMx}{\sqrt{n}Dx^{7}}\right)}{\sqrt{n}Dx^{7}} | H_{4} = \frac{P\left(\frac{N}{2}\right)}{\sqrt{n}Dx^{7}} | H_{4} =$$

$$P(x_{min} \leq C) = 1 - (1 - F(c))^{n} = d$$

$$d = 1 - (1 - c)^{n} \Rightarrow C = 1 - \sqrt[n]{-d}$$

$$d = \frac{1}{d}$$

$$W = P(x_{min} \leq C | H_{1}) = P(x_{min} \leq C | H_{1}) = 1 - (1 - F_{1}(c))^{n} \otimes 1$$

$$V = 1 - (1 - \frac{e}{e^{-1}} \cdot e^{-\frac{1}{2}} \cdot e^{-\frac{$$