Ho:
$$Po(x) = \begin{cases} 1, x \in (0, 1) \\ 0, x \notin (0, 1) \end{cases}$$

H1: $Pa(x) = \begin{cases} \frac{e^{1-x}}{e-1}, x \in (0, 1) \\ 0, x \notin (0, 1) \end{cases}$

R) $n=1$
 $l = \frac{l}{lo} = \frac{e^{1-x}}{e-1} \Rightarrow C$
 $e^{-x} \Rightarrow B$

U

 $e^{-x} \Rightarrow B$
 $e^{-x} \Rightarrow B$

U

 $e^{-x} \Rightarrow B$
 $e^{$

$$=\frac{e}{e^{-1}}\left(-\frac{e^{-x}}{e^{-x}}\right)\Big|_{0}^{x}=\frac{e}{e^{-1}}\left(1-\frac{e^{-x}}{e^{-x}}\right)$$

$$=\frac{e}{e^{-1}}\left(-\frac{e^{-x}}{e^{-x}}\right)\Big|_{0}^{x}=\frac{e}{e^{-1}}\left(1-\frac{e^{-x}}{e^{-x}}\right)$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

$$=\frac{e^{-1}}{(1-e^{-x})}$$

$$=\frac{e^{-1}}{(1-e^{-x})}$$

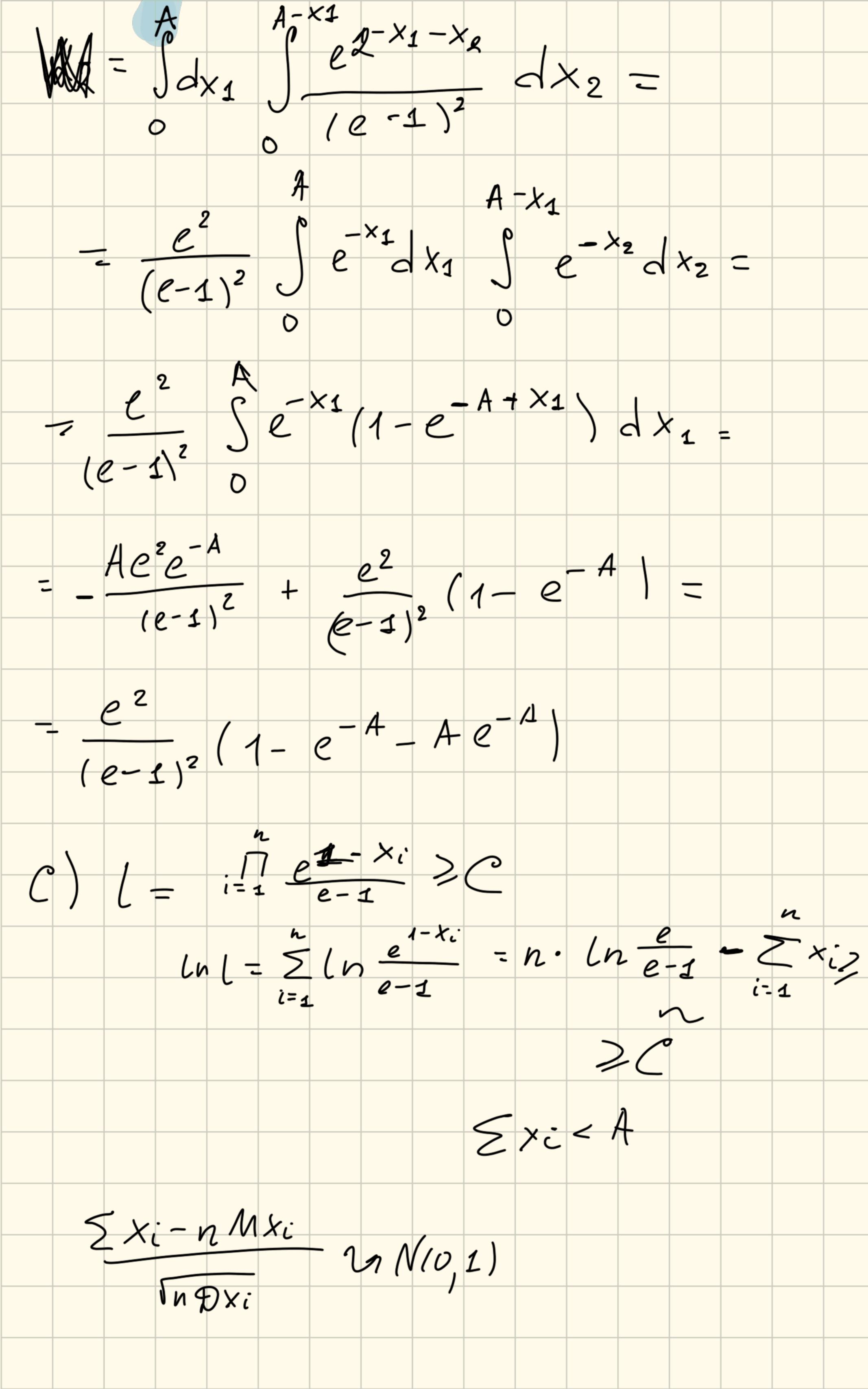
$$=\frac{e^{-1}}{(1-e^{-x})}$$

$$=\frac{e^{-1}}{(1-e^{-x})}$$

$$=\frac{e^{-1}}{(1-e^{-x})}$$

$$=\frac{e^{2-x_{1}-x_{2}}}{(e^{-1})^{2}}$$

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



$$P\left(\frac{\sum x_{i}-n Mx}{\sqrt{n}Dx} \leq \frac{A-n Mx}{\sqrt{n}Dx} \mid H_{0}\right) = d$$

$$M_{X} = \frac{1}{2}$$

$$R_{X} = \frac{1}{12}$$

$$A = \frac{n}{2} + u_{x} \sqrt{\frac{n}{12}}$$

$$d_{1} = d$$

$$W = P\left(\frac{\sum x_{i}-Mx}{\sqrt{n}Dx} \leq \frac{A-Mx}{\sqrt{n}Dx} \mid H_{1}\right) = d$$

$$M_{X} = \int_{0}^{1} \frac{e^{4-x}}{e^{-1}} dx = \frac{e}{e^{-1}} \int_{0}^{1} xe^{-x} dx = e$$

$$= \frac{e}{e^{-1}} \left(-xe^{-x} \mid \frac{1}{0} + \frac{1}{$$

$$y_{min} = 1 - (1 - F(x))^{n} = 1$$

$$1 = 1 - (1 - F(x))^{n} = 1$$

$$1 - ($$

enen $1 - (1 - \frac{c}{c-1} \cdot (1 - e^{-\frac{1}{n}L_n(1-d)})^n =$ $-\left(1-\frac{c}{c-1}\left(1-1+\frac{1}{n}\ln(1-d)+o(\frac{1}{n})\right)^{n}=$ $-\left(1-\frac{1}{n},\frac{e\ln(1-d)}{e-1}\right)^{n}$ purepun ect vatement