Negative log likelihood of
$$f(x) \begin{cases} -\partial x & \text{for } x \geq 0 \\ 0 & \text{otherwise} \end{cases}$$

Calculate NLL:

1) loss dunction =
$$-\log f_{X_1} - \dots + \chi_h$$

N
 $-\lambda \chi = \lambda^n e$

$$-\ln(\lambda^{n} - \lambda \overset{h}{\xi} x) = \ln(\lambda^{n}) + \ln \varepsilon$$

$$- \min(\lambda) + \lambda \xi_{x}^{n} = - \ln \ln(\lambda) + \lambda \xi_{x}^{n}$$

$$\lambda \xi_{x}^{n} - \ln \ln(\lambda)$$

2) Take deritive in terms of 7 Set result to

$$\frac{d}{d\lambda}\left(\lambda \xi_{\lambda} - n \ln(\lambda)\right) =$$

$$\lambda \stackrel{h}{\leqslant} \lambda = n = \lambda = \frac{h}{\stackrel{?}{\leqslant} x}$$

$$\lambda = \frac{n}{\sqrt{2} \times 1}$$