$$P(H-Q \neq A \neq A \neq A)$$

$$= D(Y) - D(-Y) = 0.085 \sim 0.085$$

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$$P(\mu-20'= \nu = \mu+20)$$

$$= P(\frac{20}{0} = \frac{\nu-\mu}{0} = \frac{20}{0})$$

$$= \overline{\Phi}(2) - \overline{\Phi}(-2) = 0.054 \quad \nu = 0.054$$

Trûmêrne  $\times \dots$  wyskyd chylopo vadků ... to překlepů =>  $\mathbb{E}(x) = \lambda = \Lambda$ X ... vyskyd chyby ma 100 22dk?

0)

MOZZIOT

 $P_{x}(\lambda) = \frac{\lambda^{k}}{k!} e^{-\lambda}$ 

buslina & rolomèrem. RNEXP(1)

X~Exp()

a) 
$$\mathbb{E}(\mathbb{R}) = \frac{1}{\lambda} = \frac{1}{2}$$

b) 
$$P(r \in (1/L)) = \int_{1}^{1/L} P(R=r) = \int_{1}^{1/L} \lambda \cdot e^{-\lambda r} = \int_{1}^{1/L} e^{-r} = [-e^{-r}]_{1}^{1/L} = -e^{-L} + e^{-r} = 0.3L_{1}q$$
 $\sim 250$ 

$$F'(y) = \begin{cases} \frac{1}{\sqrt{11}} & \sqrt{120} & \frac{1}{\sqrt{11}} & \sqrt{120} & \frac{1}{\sqrt{11}} &$$

d) 
$$\mathbb{E}(\kappa) = \mathbb{E}\left(g(\mathcal{R})\right) = \int_{-\infty}^{+\infty} g(r) \cdot \int_{\mathcal{R}}(r)$$