$$\int_{2}^{\infty} (z) = \sum_{x=0}^{\infty} \frac{e^{-ix} \alpha^{x}}{x!} \frac{e^{-ix} \beta^{2} x}{(2x)!} = \sum_{x=0}^{\infty} \frac{e^{-(x+\beta)} x^{2} x^{2} x}{(2x)!} = \frac{e^{-(x+\beta)} x^{2} x^{2} x}{(2x)!} = \frac{e^{-(x+\beta)} x^{2} x^{2} x}{x^{2}} = \frac{e^{-(x+\beta)} x^{2} x^{2} x^{2}}{x^{2}} = \frac{e^{-(x+\beta)} x^{2} x^{2} x^{2}}{x^{2}} = \frac{e^{-(x+\beta)} x^{2}}{$$

it x de Y =0

$$B \leftarrow \frac{1}{2} \sum_{k=0}^{\infty} \frac{1}{2} \sum_{k=0}^{\infty}$$

$$= \frac{9/2 \cdot e^{-3} \times 0.75}{9/2 \cdot e^{-3} \cdot 0.75 + 25/2 \cdot e^{-5} \times 0.25}$$

$$= \frac{1}{1 + 25/2 \cdot e^{-2}} = 0.8886$$

$$E[X] = \sum_{k \geq 0} \frac{\kappa \cdot \mu^{k} e^{-\mu}}{\kappa!} = \sum_{k \geq 1} \kappa \cdot \frac{\mu^{k} e^{-\mu}}{k!}$$

$$= \sum_{k \geq 1} \frac{\mu^{k} e^{-\mu}}{(\kappa - 1)!}$$

$$= \mu e^{-\mu} \left(\sum_{k \geq 1} \frac{\mu^{k-1}}{(k-1)!} \right) = \mu e^{-\mu} \left(1 + \mu + \frac{\mu^{2}}{2!} + \frac{\mu^{3}}{3!} + \cdots \right)$$

$$= \mu e^{-\mu} \cdot e^{\mu} = \mu$$

$$\begin{aligned}
& X = \sum_{i=1}^{N} I_i \\
& Y = \sum_{i=1}^{N} I_i
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