$$\int_{B}^{\infty} \int_{B}^{\infty} \frac{dx}{dx} = \int_{B}^{\infty} \int_{B}^{\infty} \frac{dx}{dx}$$

$$= \int_{B}^{\infty} \frac{1}{2} e^{x} |B| dx = +e^{-x} |B|$$

$$= \int_{B}^{\infty} \frac{1}{2} e^{x} |B| dx = +e^{-x} |B|$$

$$\Rightarrow E(x) = B$$

$$\Rightarrow E(x) = \begin{cases} x \\ y \\ y \end{cases} = \begin{cases} x \\$$

$$= B_{S}(3) = SB_{S}$$

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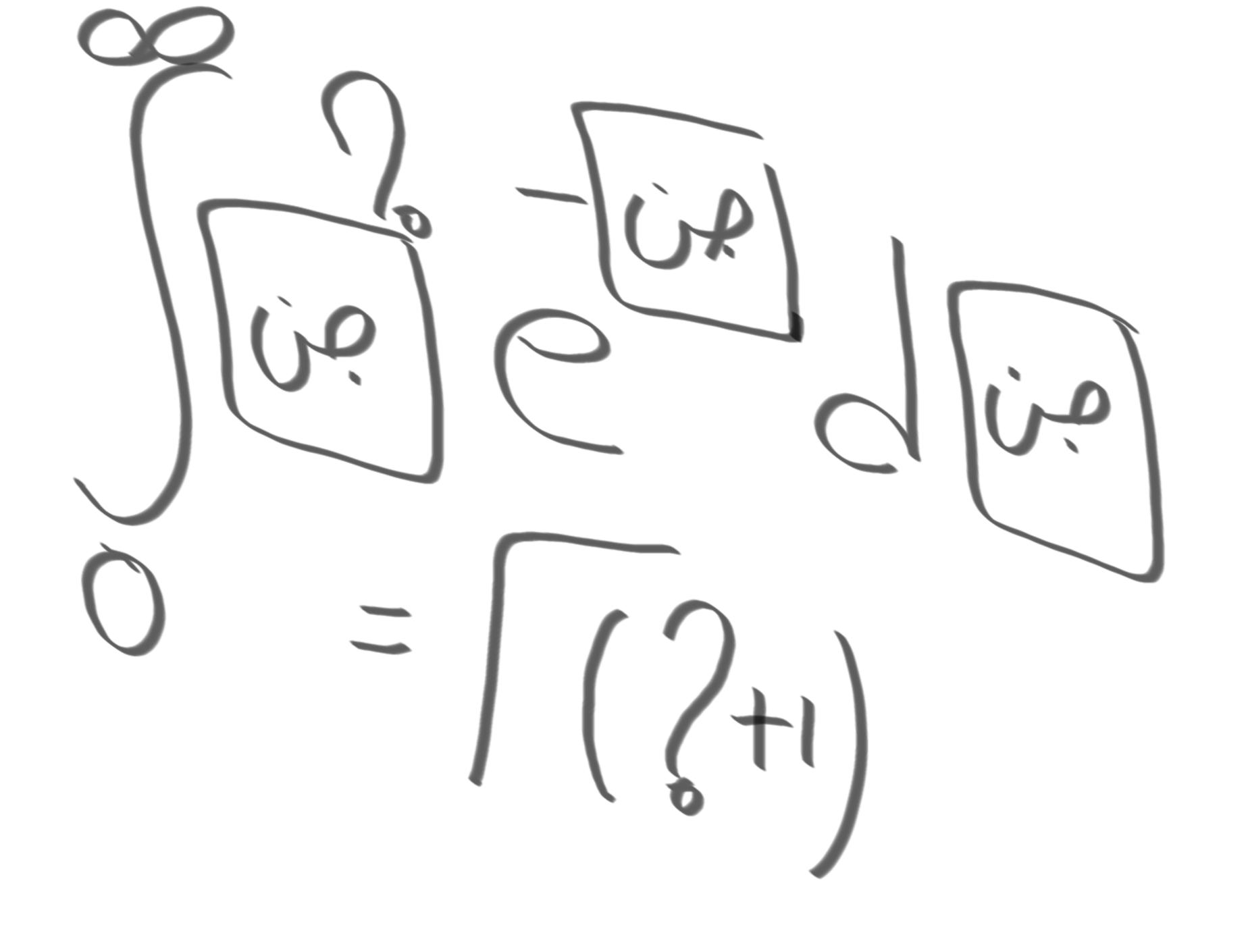
$$= B_{S}(3) = SB_{S}(3)$$

$$= B_{S}(3) = SB_{S}(3)$$

$$= B_{S}(3) = B_{S}(3)$$

$$= B_{S}($$

$$\int dx(x) = y$$



$$\frac{3}{5} \frac{1}{5} \frac{1}$$

Example let X be an Exp(az), write The Polf (a) $\int_{-0.5}^{1} (x) = o.56$ $\times 10^{\circ}$ (b) $\int_{-0.5}^{1} (x) = \frac{2}{1} \frac{5.52}{-5.52}$ $\times 10^{\circ}$

$$find P(x)1) = 1-P(xxi)$$

$$= 1-F(i)$$

$$= 1-(1-e^{5})=(e^{5})$$

$$= 1-(1-e^{5})=(e^{5})$$

X~ Exploi 160 = 2 6x J(x)=1-6

$$P(x<2) = 1 - e^{5(2)} = 1 - e^{10}$$

$$= (1 - e^{15}) - (1 - e^{1})$$

$$= (1 - e^{15}) - (1 - e^{1})$$

$$= e^{5} - e^{15} = 1$$

Gostnot CDF of x.

$$F(x) = \begin{cases} \frac{1}{\beta} e^{-x/B} \\ x>0 \end{cases}$$

1 = t/B dt -ctlb = ctlb