$$F(x) = P(x \le x) = \int_{-\infty}^{\infty} \frac{F(x)b}{b-a} du = \int_{0}^{x} \frac{1}{b-a} d$$

 $M_{\chi}(t) = E(Q)$   $\lim_{t \to 0} M_{\chi}(t) = \frac{1}{2} \quad \text{if an } qe$ 

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

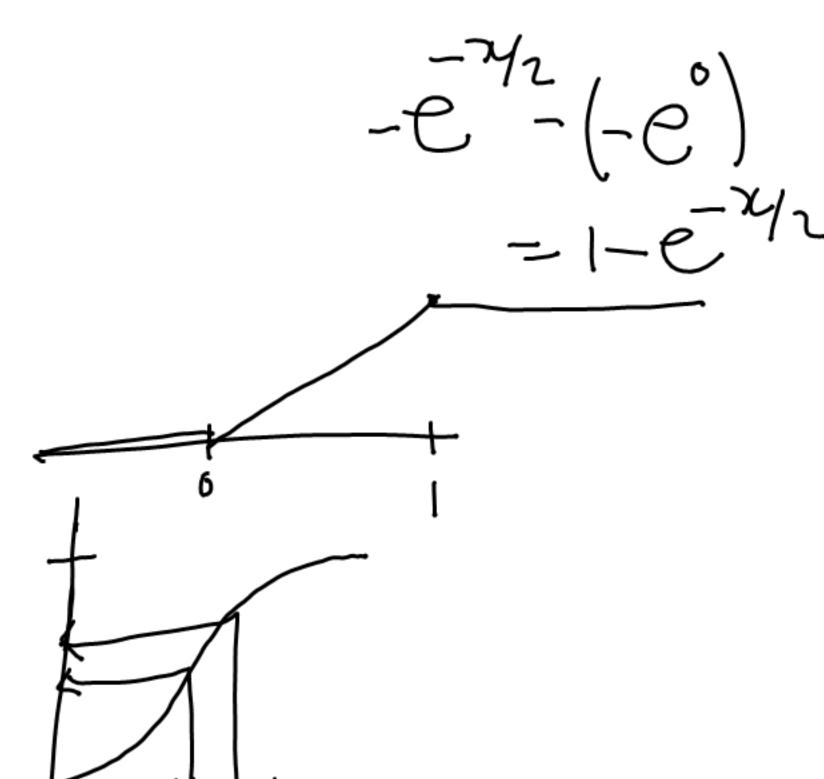
$$F_{y(y)} = P(Y \le y) = P(g(x) \le y)$$

$$= P(1 - e^{-1/2x} \le y)$$

$$= P(1 - y) \le e^{-1/2x} = P(\log(1-y) \le -\frac{1}{2}x)$$

$$= P(-\log(1-y) \ge \frac{1}{2}x) = P(-2\log(1-y) \ge x)$$

$$= P(-\log(1-y) \ge \frac{1}{2}x) = P(-2\log(1-y) \ge x)$$



$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$Censum (por la duecha) finamiumh (pir la izquerdu)
$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$F(x-y) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

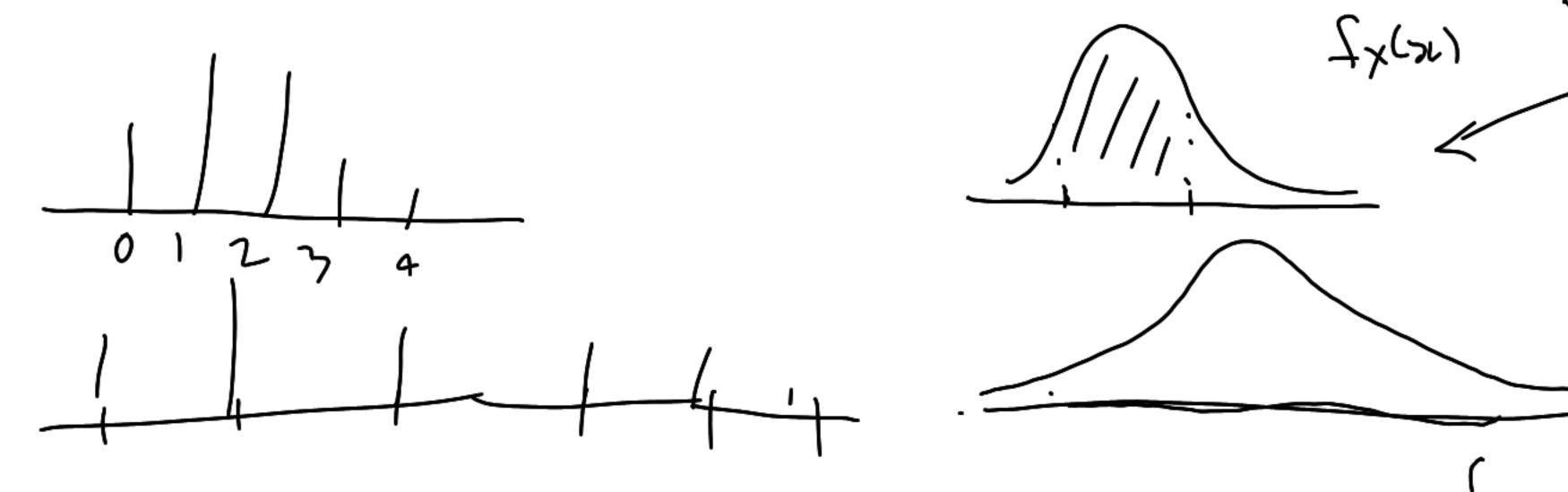
$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

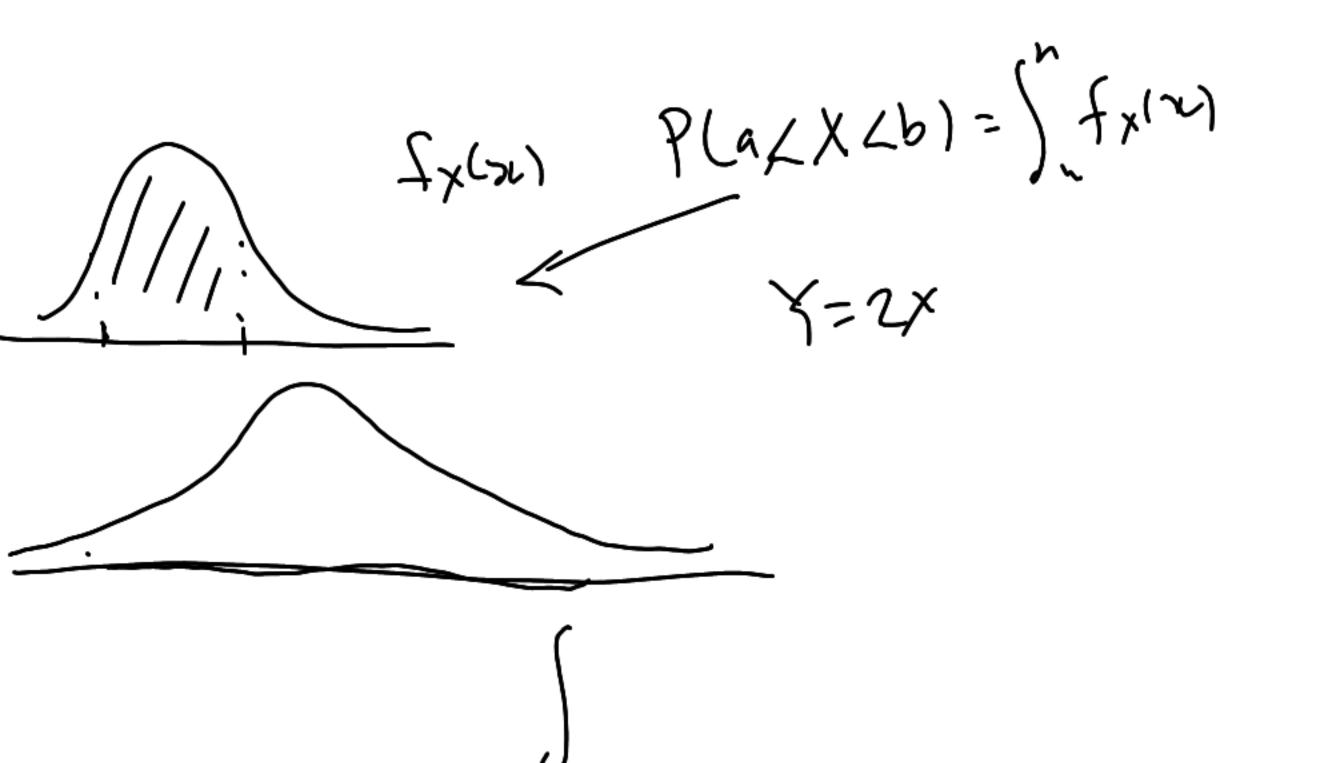
$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x), \quad Melly of 70$$

$$f(x) = \frac{1}{|x|} exp(-(x-y)^2/26^2) I(x)$$$$

$$\chi_{\text{NPais}(\lambda)}$$
  $f(x) = \frac{x e^{x}}{x!} I_{0,1,...}(x)$ ,  $\chi_{70}$   
 $Y = 2x$   $I(Y = y) = \frac{x^{3}e^{-x}}{y!} I_{0,2,...}(y)$ ,  $\chi_{70}$ 





$$X \sim (y) = \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \right) \right)$$

$$X = \frac{1}{2} \left( \frac{1}{2} \right)$$

$$X = \frac{1}{2} \left( \frac{1}{2}$$

$$Y = X^{2} \begin{cases} W(Y) = \sqrt{Y} & x \ge 0 \\ W(Y) = -\sqrt{Y} & x \le 0 \end{cases} \qquad \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \ge 0 \\ W'(Y) = \frac{-1}{2\sqrt{Y}} & x \le 0 \end{cases}$$

$$\Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) = \frac{1}{2\sqrt{Y}} & x \le 0 \end{cases} \qquad \Rightarrow \begin{cases} W'(Y) =$$

