

$$\frac{1}{\sigma_y} = \frac{1}{\sqrt{100}} e^{-\frac{(1 - 3.5)^2}{2 \cdot 1^2}} = \frac{1}{\sqrt{100}} e^{-\frac{(1 - \mu_y)^2}{2 \sigma_y^2}}$$

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$$\Rightarrow \underline{\underline{\sigma_y = 1 \text{ V} \quad \mu_y = 3.5 \text{ V}}}$$