> *# First derive the equation*

> $f(t) := \dfrac{1}{2} = \exp(-\text{lambda} \cdot t)$

$$f(t) := \frac{1}{2} = e^{-\lambda t} \tag{1}$$

> *solve*$(f(t), t)$

$$\frac{\ln(2)}{\lambda} \tag{2}$$

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