

(2)

$$\theta = \theta_0 \cdot e^{-\lambda \cdot t}$$

$$\ln \theta = \ln(\theta_0 \cdot e^{-\lambda \cdot t})$$

$$\ln \theta = \ln \theta_0 - \lambda \cdot t \cdot \underline{\ln e}_1$$

$$\underbrace{\ln \theta}_y = \underbrace{\ln \theta_0 - \lambda \cdot t}_{+ ax}$$