

$$\frac{d}{dt}x(t) = x(t)$$

$$x(t=0) = 1$$

- $x(t)$
- $x(t) = e^t$
- $x(t) = t + 1$
- $x(t) = t$
- $x(t) = e^t + 1$

- $ml\theta'' + mg \sin \theta = 0$
- $ml\theta'' + mg \sin \theta + \beta l\theta' = 0$
- $ml\theta' + mg \sin \theta + \beta l\theta' = 0$
- $ml\theta'' + mg + \beta l\theta' = 0$

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$x' = x$

$x' = \sin x$

$x' = 37x$

$x'' + x^2 = 0$

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