$$\dot{t} = 26 \dot{\gamma} - 7\tau$$

$$\dot{t} + 7\tau = 26 \dot{\gamma}$$

$$e^{\uparrow t} \dot{t} + 7e^{\uparrow t} \tau = 26 \dot{\gamma} e^{\uparrow t}$$

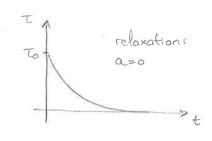
$$\frac{d}{dt} \left[\tau e^{\uparrow t} \right] = 26 \dot{\gamma} e^{\uparrow t}$$
assume $x = 1 + b \rightarrow \dot{x} = 0$

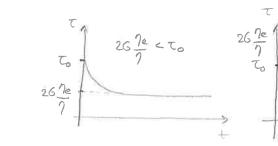
$$Te^{1t} = 26\frac{k}{7}e^{1t} + Te$$

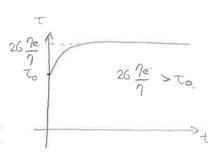
$$T = 26\frac{1}{7} + Te^{-1}$$

apply
$$T(t=0) = T_0 \Rightarrow T_0 = T_0 - 26\frac{h}{7}$$

$$T = 26\frac{\eta e}{\eta} + \left(\tau_0 - 26\frac{\eta e}{\eta}\right) e^{-\eta t}$$







Implementation

see example.py