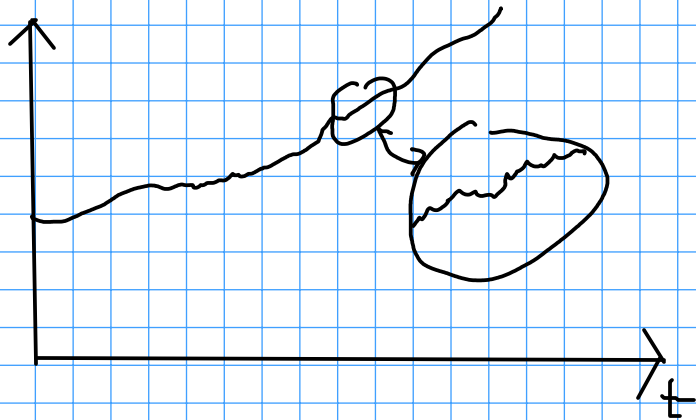


$$\dot{N} = \lambda N$$



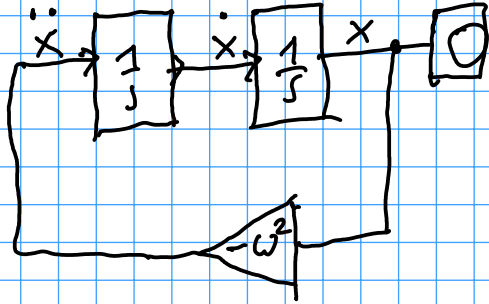
$$N(t) = N_0 e^{\lambda t}$$



$$\lambda = 0.4$$



$$\ddot{x} + \omega^2 x = 0 \Rightarrow \dot{x} = -\omega^2 x$$
$$\omega^2 = 5$$



Van-der-Pol - DGL:

$$\ddot{x} - \mu(1-x^2)\dot{x} + x = 0$$

$$\ddot{x} = \mu(1-x^2)\dot{x} - x$$

