$$\left[\begin{array}{c} \alpha = -k \, \sqrt{3} & k > 0 \quad (\kappa = \text{contente}) \\ \left[k \right] = \left[\frac{\alpha}{V} \right] = \frac{m/3^2}{m/3} = 3^{-1} \end{array} \right]$$

$$a = \frac{dv}{dt} > \frac{ds}{dt} = -ks$$

$$= -ks$$

$$\Rightarrow \frac{dv}{v} = -kdt \Rightarrow \int \frac{dv}{v} = -k dt$$

$$\Rightarrow \sqrt{(t)}$$

$$\frac{N(t)}{N_0} = -k(t-t_0)$$

$$\frac{N(t)}{N_0} = e^{-k(t-t_0)}$$

$$\frac{N(t)}{N_0} = e^{-k(t-t_0)}$$

$$\frac{N(t)}{N_0} = N_0 e^{-k(t-t_0)}$$

$$S(t) = \frac{dx}{dt} \Rightarrow \int dx = \int S(t) dt \Rightarrow t_{0}$$

$$\Rightarrow x(t) = x_{0} + \int v_{0} e^{-k(t-t_{0})} dt = 1$$

$$= x_{0} + N_{0} \left(-\frac{1}{k}\right) e^{-k(t-t_{0})} = 1$$

$$= x_{0} - \frac{N_{0}}{k} \left[e^{-k(t-t_{0})} - 1\right] = 1$$

$$\Rightarrow x(t) = x_{0} + \frac{N_{0}}{k} \left[1 - e^{-k(t-t_{0})}\right]$$

$$x(t) \Rightarrow x_{0} + \frac{N_{0}}{k}$$

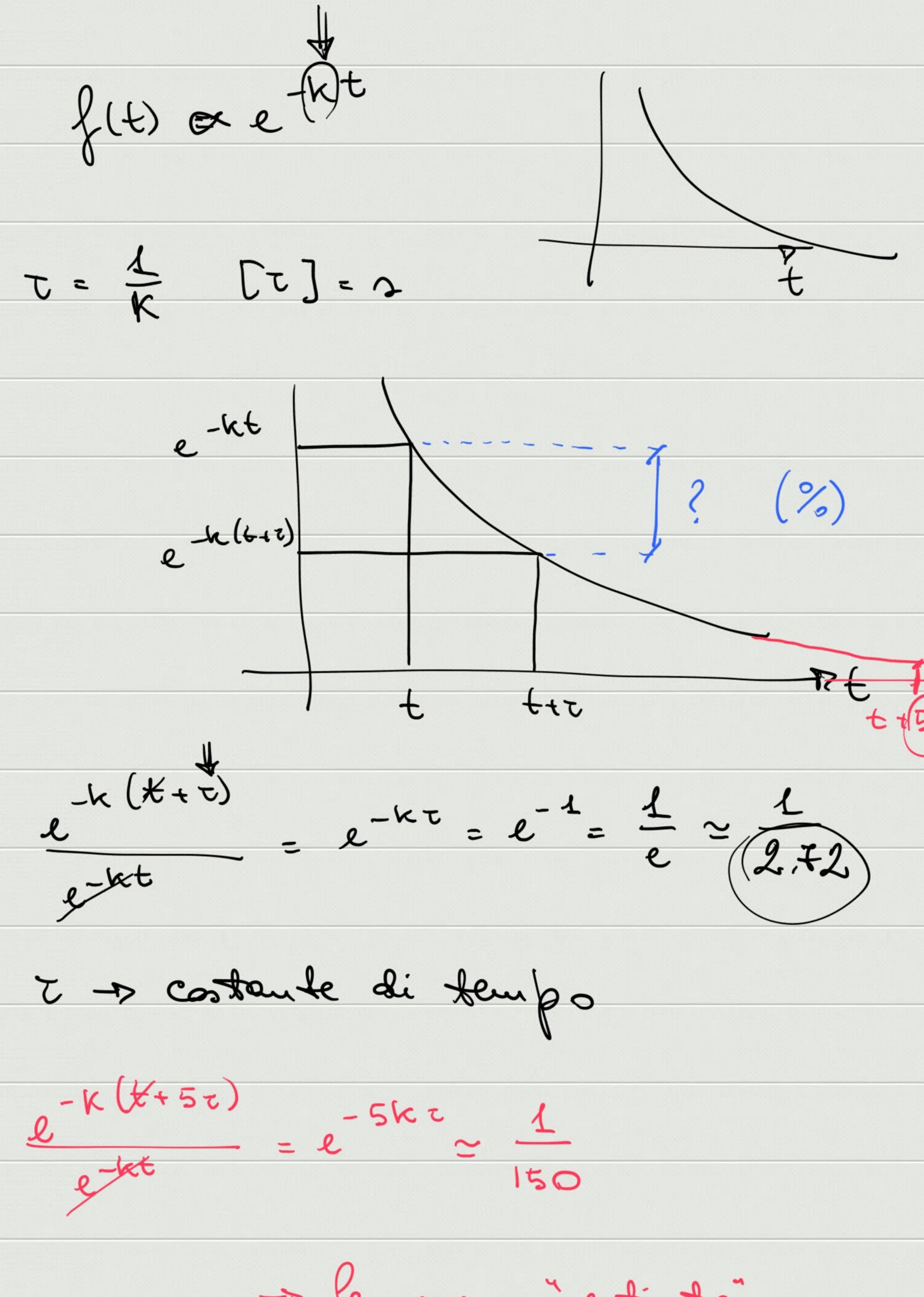
$$a = \frac{dv}{dt} = \frac{dv}{dx} \frac{dx}{dt} = \sqrt{\frac{dv}{dx}}$$

$$= -k\sqrt{\frac{dv}{dx}} = -k\sqrt{\frac{dv}{dx}} =$$

$$\Rightarrow dv = -k dx \Rightarrow \int_{x_0}^{\infty} dv = -k \int_{x_0}^{\infty} dx$$

$$\Rightarrow N(x) = N_0 - K(x-x_0)$$

$$\sqrt{\frac{1}{2}}$$



Elemens "estints"