## RL Circuit

i\_(0.)= Iz

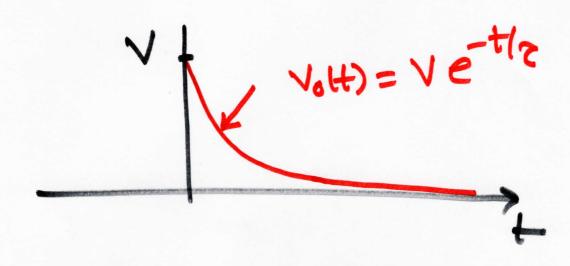
$$= \frac{1}{12}(t) = \frac{Rt}{ke^{-t/2}}$$

$$= \frac{1}{12} = \frac{1}{$$

$$V \rightarrow Dc$$
 input  
 $i_{i}(t) = Constant$  at  $t = \infty$ 

$$\Rightarrow i_{i}(t) = Ke^{-t/x} + \chi$$
 $i_{i}(t) = i_{f} + (i_{i} - i_{f})e^{-t/x}$ 

$$\begin{cases} \dot{\zeta}(0-) = OA = \dot{\zeta}(1-\frac{1}{2}) \\ \dot{\zeta}(1+\frac{1}{2}) = \frac{1}{2} \\ \dot{\zeta}(1+\frac{1}{2}) = \frac{$$



$$\frac{d}{dx} = \frac{1}{100} = \frac{1}{$$

$$\frac{1}{5} = \frac{1}{1} (t = 0.5)$$

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$$\frac{1}{1} = \frac{5}{3} A$$

$$\frac{7}{1} = \frac{1}{1} (t = 0.5)$$

$$\frac{7}{3} = \frac{1}{1} = \frac{1}{3} = \frac{$$