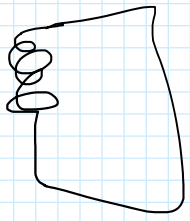
$$f_{em} = -L\frac{di}{dt} \qquad = -L\frac{\Delta i}{\Delta t}$$

$$i(t) = \frac{V_0}{R}e^{-\frac{R}{L}t} \qquad V = Ri$$

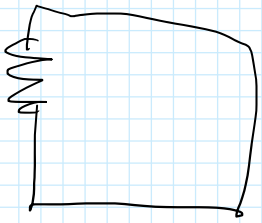
$$V(t) = V_0\, e^{-\frac{R}{L}t} \qquad f_{em} = -L\frac{di}{dt}$$

$$\frac{di}{dt} = \frac{V_0}{R}e^{-\frac{R}{L}t}\left(-\frac{R}{L}\right) \qquad = -L\left(-\frac{V_0}{L}e^{-\frac{R}{L}t}\right)$$

1



2



$$\Phi(B_2) = M i_1$$