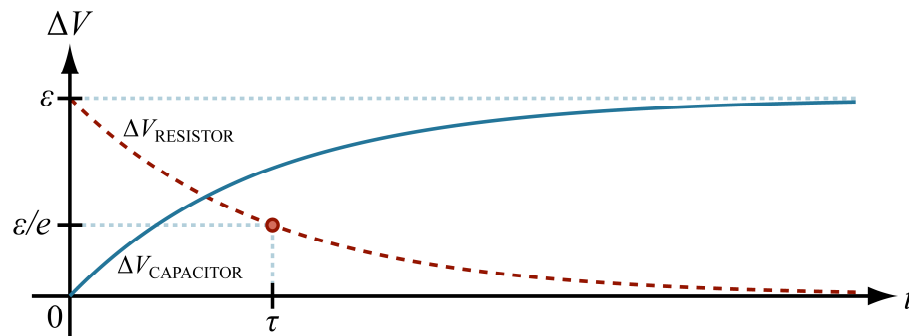
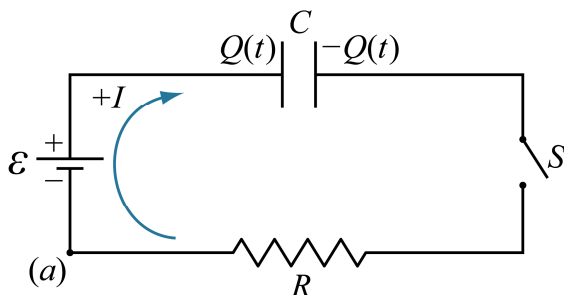


Mnemonic for exponentially decaying/saturating charge/current

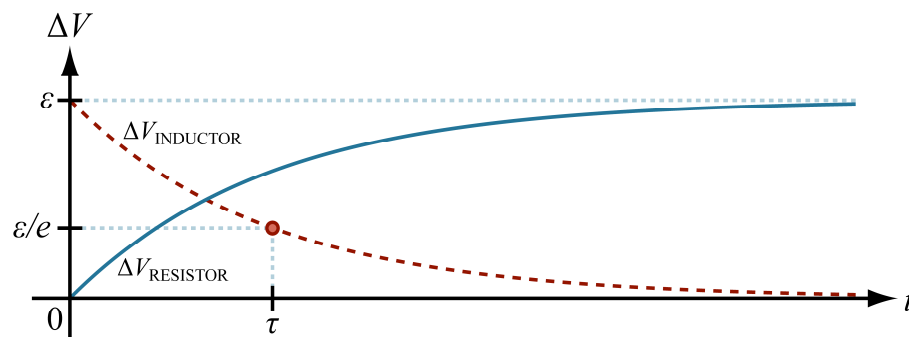
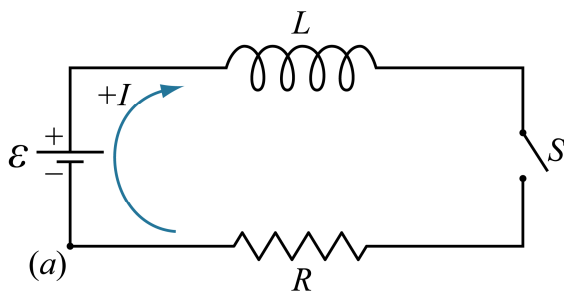
RC series

$$\tau = RC$$



LR series

$$\tau = \frac{L}{R}$$



$$y(t) = y_{\max} \left(1 - e^{-\frac{t}{\tau}} \right)$$

Text color	When to use
Black	Always (both decay and saturation)
Blue	Only for saturation