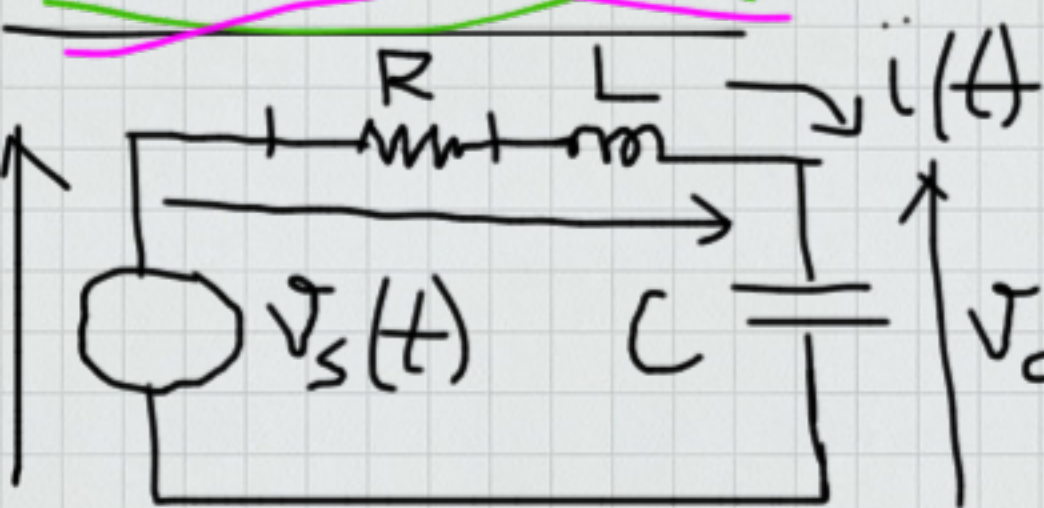


* Elektrik



System Pemuatan Kapasitor

Hukum Ohm =

$$\begin{cases} * v_s(t) - v_c(t) = Ri(t) + L \frac{di(t)}{dt} \\ * \dot{i}(t) = \frac{1}{C} \frac{dv_c(t)}{dt} \end{cases}$$

$$\Rightarrow \frac{di(t)}{dt} = \frac{1}{L} [v_s(t) - v_c(t) - Ri(t)]$$

$$\Rightarrow \frac{dv_c(t)}{dt} = \frac{1}{C} i(t)$$

Block Diagram

