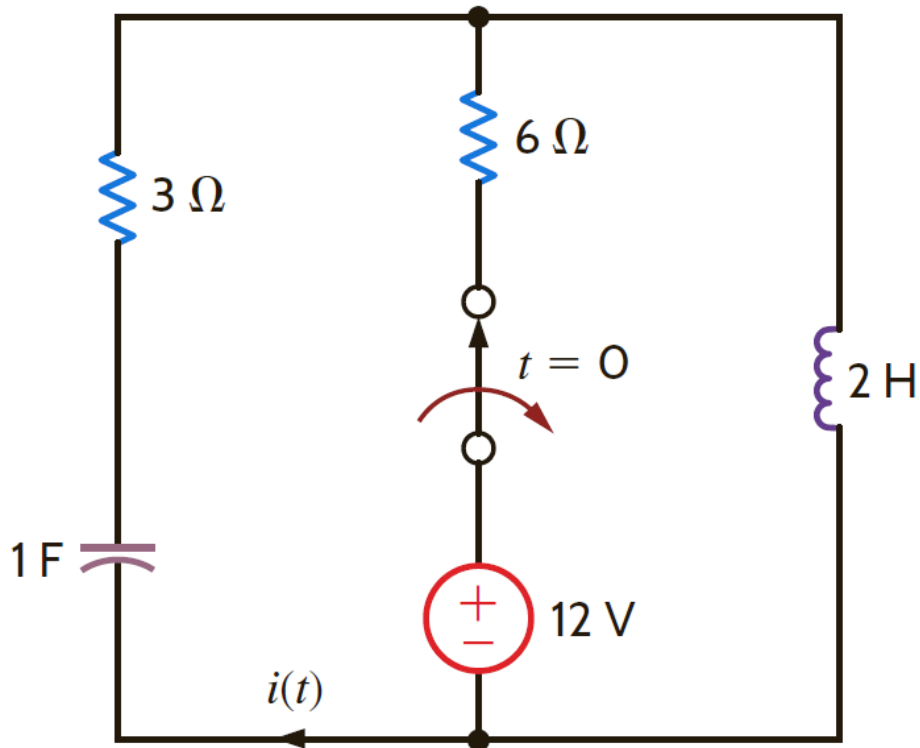


Second Order Circuits

Problems – In class

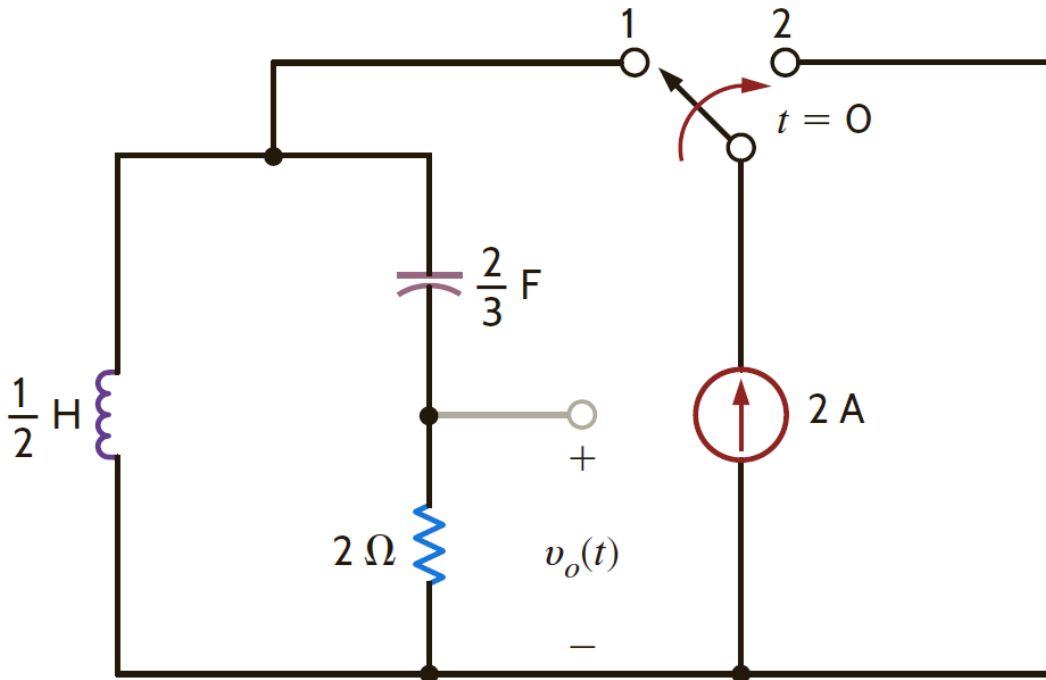
Problem 1: In the following circuit, the switch is operated at $t=0$. Determine and plot the current $i(t)$ for all times.



Second Order Circuits

Problems – In class

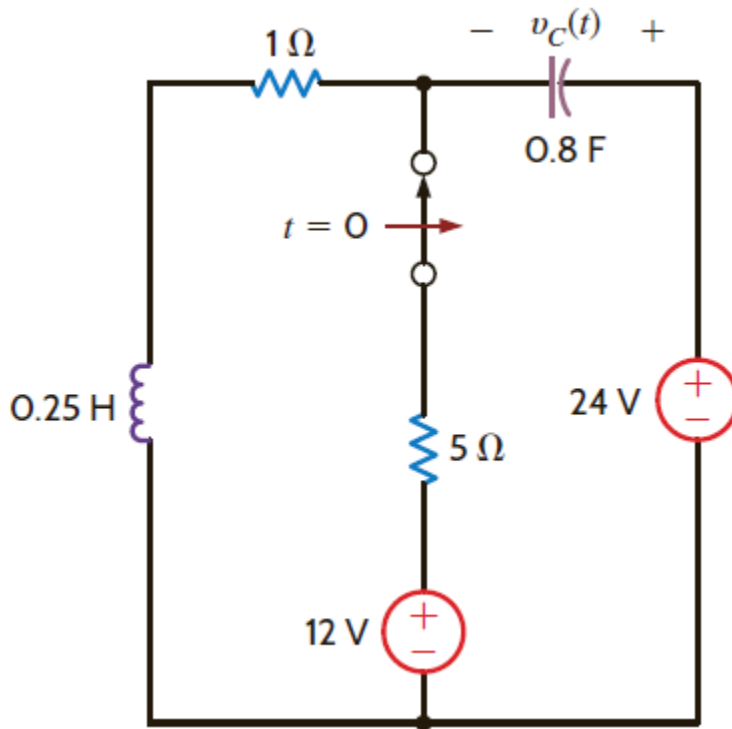
Problem 2: In the following circuit, the switch is operated at $t=0$. Determine and plot the voltage $v_o(t)$ for all times.



Second Order Circuits

Problems – In class

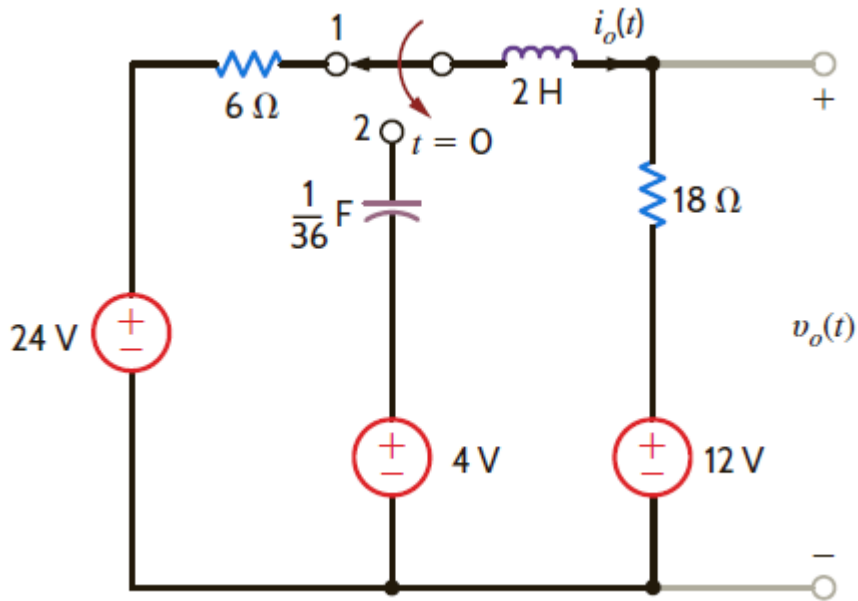
Problem 3: In the following circuit, the switch is operated at $t=0$. Determine the voltage $v_C(t)$ for all times.



Second Order Circuits

Problems – In class

Problem 4: In the following circuit, the switch is operated at $t=0$. Determine the current $i_o(t)$ and voltage $v_o(t)$ for all times.



Second Order Circuits

Problems – In class

Problem 5 (6-25): In the circuit below, the steady state is reached with switch K open. The switch is closed at $t=0$. Determine the current $i(t)$ for $t \geq 0$.

