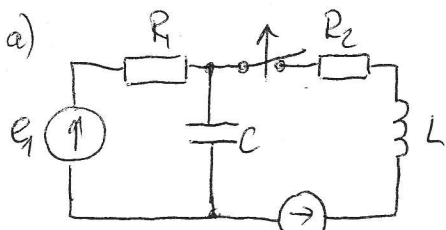
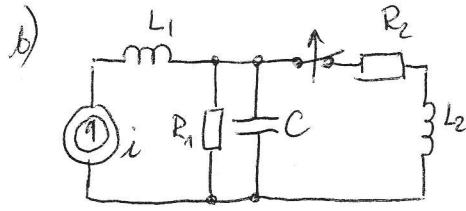


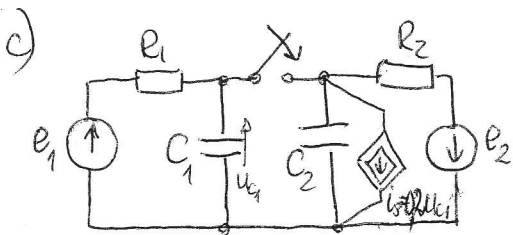
1. Determine the initial conditions (only) in the circuit



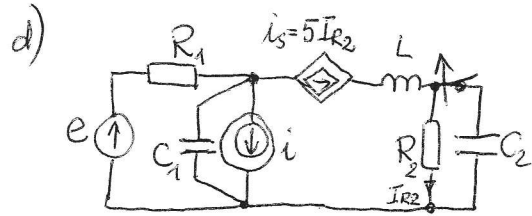
$e_1(t) = 20V$, $R_1 = 5\Omega$, $L = 1H$
 $e_2(t) = 30V$, $R_2 = 10\Omega$, $C = 1\mu F$



$i(t) = 5A$, $L_1 = 1H$
 $R_1 = 10\Omega$, $L_2 = 2H$
 $R_2 = 20\Omega$, $C = 10\mu F$

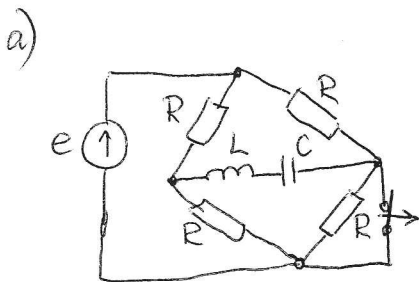


$e_1(t) = 100V$, $R_1 = 100\Omega$, $C_1 = 10\mu F$
 $e_2(t) = 200V$, $R_2 = 50\Omega$, $C_2 = 20\mu F$

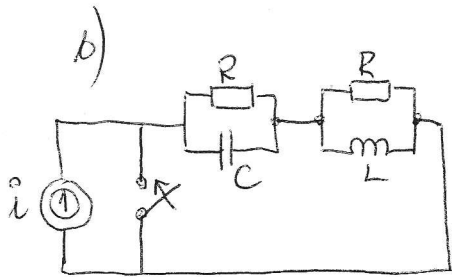


$e = 20V$, $R_1 = 2\Omega$, $C_1 = C_2 = 10\mu F$
 $i = 2A$, $R_2 = 5\Omega$, $L = 2H$

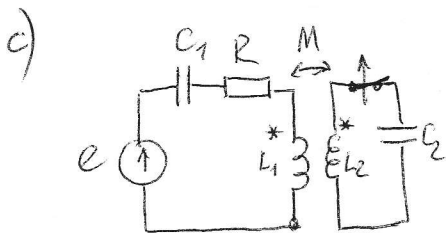
2. Determine the initial conditions (only) in the circuit



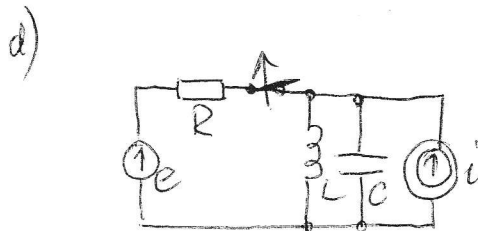
$e(t) = 20\sqrt{2} \sin 2t$, $L = 1H$
 $R = 10\Omega$, $C = 0.5F$



$i(t) = 10 \sin(t + 90^\circ)$, $C = 1F$
 $R = 2\Omega$, $L = 1H$



$e(t) = 20\sqrt{2} \sin(t + 90^\circ)$
 $L_1 = L_2 = 2H$, $M = 1H$
 $C_2 = 0.5F$, $C_1 = 1F$



$e(t) = 20\sqrt{2} \sin(t + 45^\circ)$, $R = 5\Omega$
 $i(t) = 5\sqrt{2} \sin(t + 90^\circ)$, $L = 1H$
 $C = 1F$