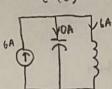
Yusuf Safa Köksal

21011002

t=(0-)



$$i_{L}(o^{-}) = i_{L}(o^{+}) = 6A$$

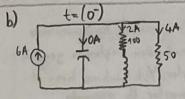
 $V_{c}(o^{-}) = V_{c}(o^{+}) = 0$

$$i_R(o^-) = i_R(o^+) = 0$$

$$V_{L}(0) = V_{L}(0) = 0$$

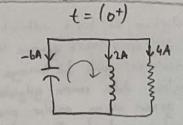
$$\frac{\partial V_c}{\partial t} = \frac{i_c}{c} = \frac{0}{0.01} = 0$$

ic= C. dvc



$$i_{L}(0) = i_{L}(0+) = 2A$$
 $V_{c}(0) = V_{c}(0+) = 200V$
 $i_{R}(0) = i_{R}(0+) = 4A$
 $V_{L}(0+) = 200V$
 $i_{L}(0+) = -6A$

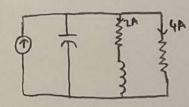
$$\frac{dV_{c}(0+)}{dt} = -600V_{sn}$$

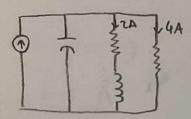


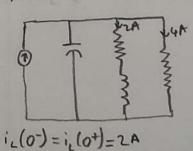
-Vc +VL =0 V_=Vc V, =200

4.501=200V

c) t=(0-)







$$i_{L}(o^{-}) = i_{L}(o^{+}) = 2A$$
 $V_{c}(o^{-}) = V_{c}(o^{+}) = 200 \text{ V}$
 $i_{R}(o^{-}) = i_{R}(o^{+}) = 4A$

$$V_L(0) = V_L(0^+) = 0$$

$$\frac{i_c}{c} = \frac{0}{0.01} = 0$$

$$V_{c}(o^{-}) = V_{c}(o^{+}) = 200V$$
 $i_{R}(o^{-}) = i_{R}(o^{+}) = 4A$
 $V_{c}(o^{-}) = V_{c}(o^{+}) = 0V$