The switch opens at time t = 2 s. Before the switch opens, the system has reached steady state.

Vs: 20 V

Find these voltages and currents (i.e., just before the switch opens):

C: 2 nF

$$i_{L1} = i_L(2^-)$$
  $v_{L1} = v_L(2^-)$   $i_{C1} = i_C(2^-)$   $v_{C1} = v_C(2^-)$ 

$$v_{L1} = v_L(2^-)$$

$$i_{C1} = i_C(2^-)$$

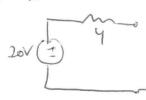
L:1 mH

Find these voltages and currents (i.e., just after the switch opens): 
$$i_{L2}=i_L(2^+) \quad v_{L2}=v_L(2^+) \quad i_{C2}=i_C(2^+) \quad v_{C2}=v_C(2^+)$$

(a) : SWITCH is CLOSED



E = 2+ (b)





$$\mathcal{F}_{L}(2^{+}) = 0V$$

$$C_{C}(z^{\dagger}) = -SA$$