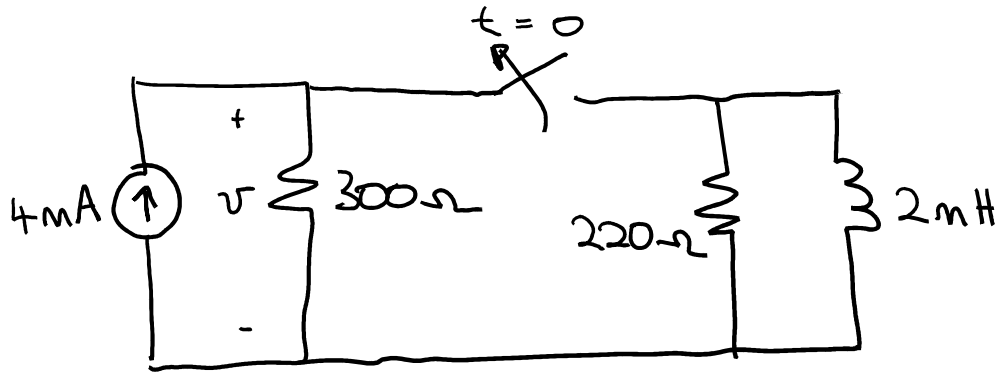


At Tutorial 5 – Marked Question (17th May 2019)

Chapter 8, Ex 8: Source-free RL circuit



The switch in the circuit above has been closed a very long time. Calculate the voltage v as well as the energy stored in the inductor at:

- The instant just prior to the switch being thrown open
- The instant just after the switch is opened
- $t = 8 \mu\text{s}$

At Tutorial 5 – Unmarked Question (17th May 2019)

Chapter 8, Ex 60: Driven RC circuit

The switch shown in the circuit below has been in position a since the original Battlestar Galactica aired on TV. It is moved to position b at time $t = 0$. Obtain expressions for $i(t)$ and $v_c(t)$ valid for all values of t .

