

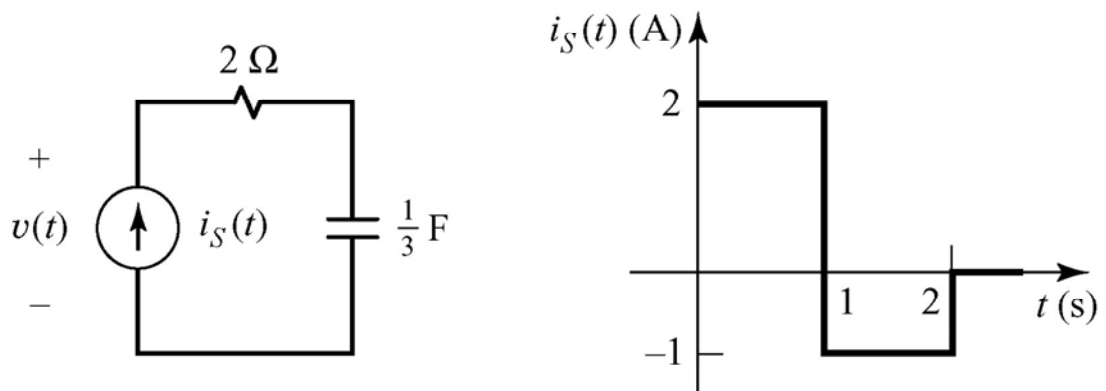
EE 202-Fall 2012(121)

HW5

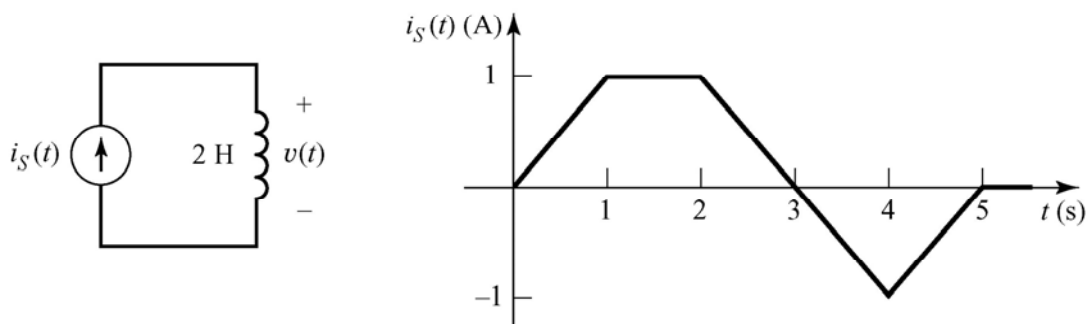
Dr. Alakhdhar

Due 1/12/2012

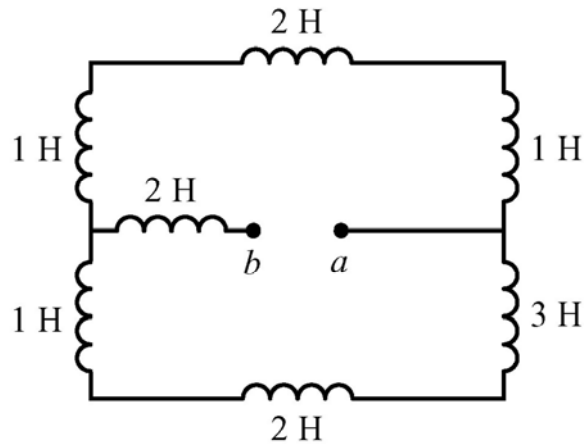
Q1 Sketch the voltage $v(t)$ in the circuit shown. Assume $i_s(t) = 0$ for $t \leq 0$



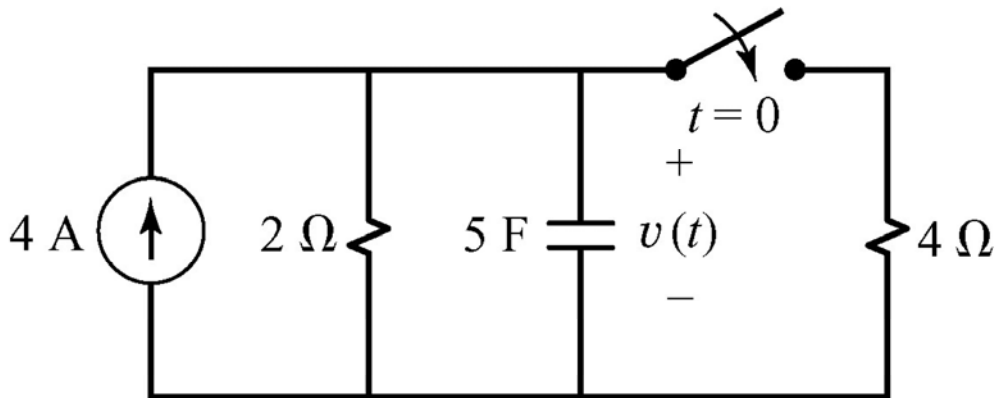
Q2 Sketch the voltage $v(t)$ in the circuit shown



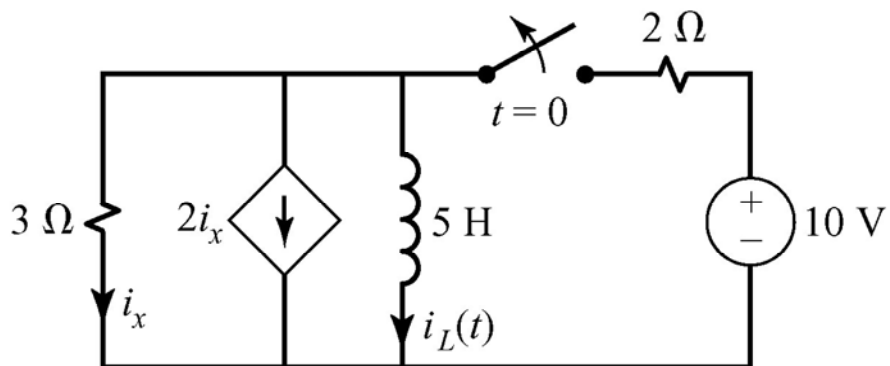
Q3 Determine the equivalent inductance between the terminal



Q4 Determine and sketch the voltage $v(t)$ for all t .



Q5 Determine and sketch the current $i_L(t)$ for all t .



Q6 The switch in the circuit shown has been in position a for a long time. At $t = 0$, it moves instantaneously to position b, where it remains for 250 ms before moving instantaneously to position c. Find $v_o(t)$ for $t \geq 0$.

