

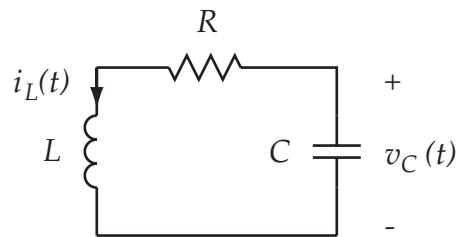
Inter American University of Puerto Rico
Bayamón Campus
School of Engineering
Department of Electrical Engineering

ELEN 3301 – Electric Circuits I

Problem Set 8

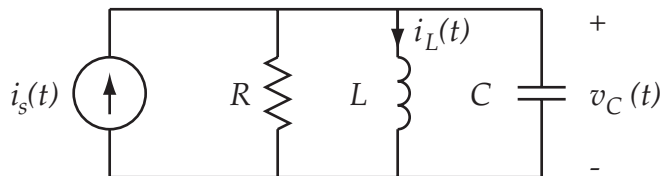
Due Wednesday, October 27

Problem 1: For the circuit below, $v_C(0) = v_0$ and $i_L(0) = 0$. Find an algebraic expression and sketch $v_C(t)$.



Problem 2:

(A) For the circuit below, $v_C(0) = 0$ and $i_L(0) = 0$. Find an algebraic expression and sketch $i_L(t)$ if $i_S(t) = I_S u(t)$.



(B) Repeat part (A) if $i_S(t) = Q_S \delta(t)$.