

VE215 Quiz #2

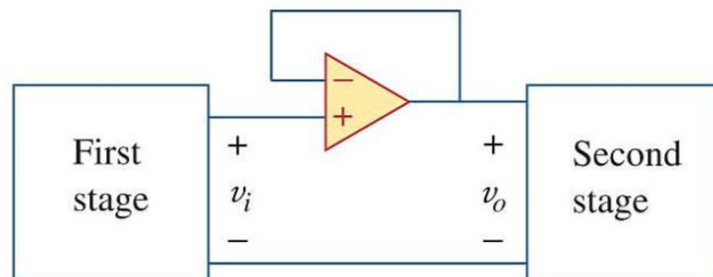
Chapter 4, 5 and Chapter 6 are covered in this quiz.

Problem #1 Fill in the Blanks

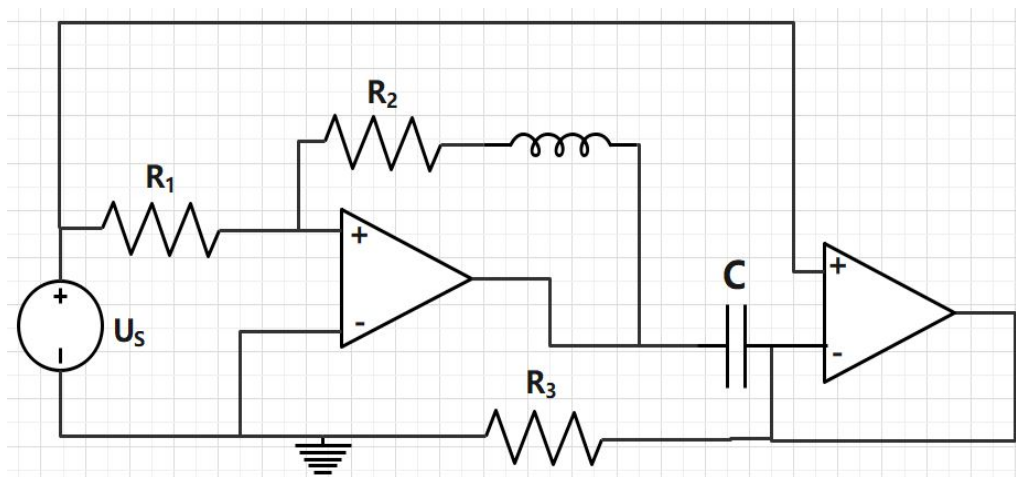
(1) Please list one advantage of the voltage follower circuit.

_____.

The following circuit diagram is a typical Op-Amp voltage follower.

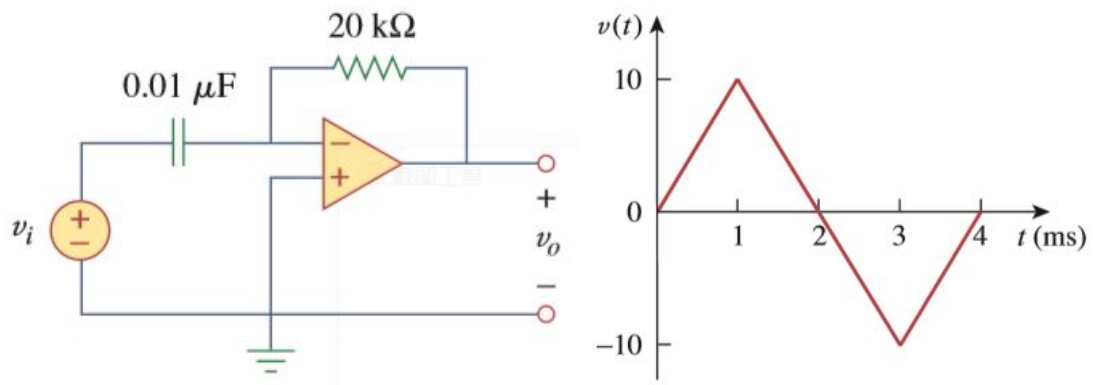


(2) Suppose the input voltage is a DC and the circuit has reached its final state (the current in the circuit doesn't change with time), what's the energy stored in capacitor **C** _____?

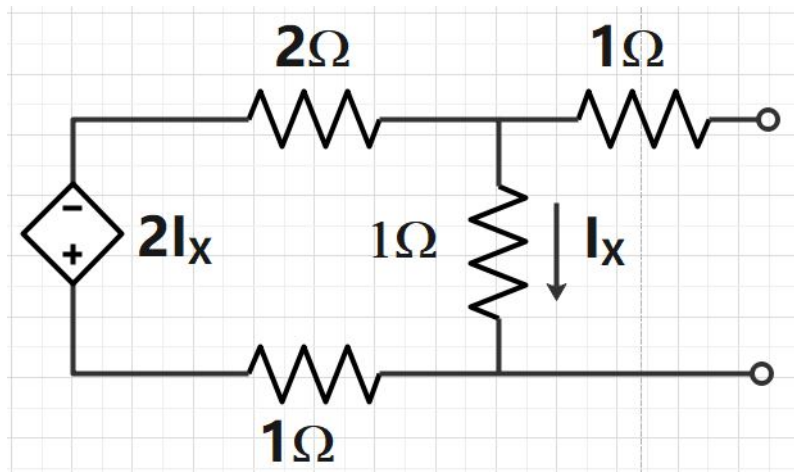


Problem #2 (textbook 6.74)

Please sketch the output V_o of the circuit if the input of the circuit is shown below:



Problem #3



Please find the Norton's Equivalent circuit.