

**Chapter 9, Problem 51.**

If the voltage  $v_o$  across the  $2\text{-}\Omega$  resistor in the circuit of Fig. 9.58 is  $10 \cos(2t)$  V, obtain  $i_s$ .

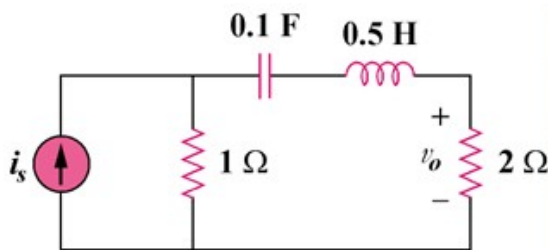


Figure 9.58  
For Prob. 9.51.