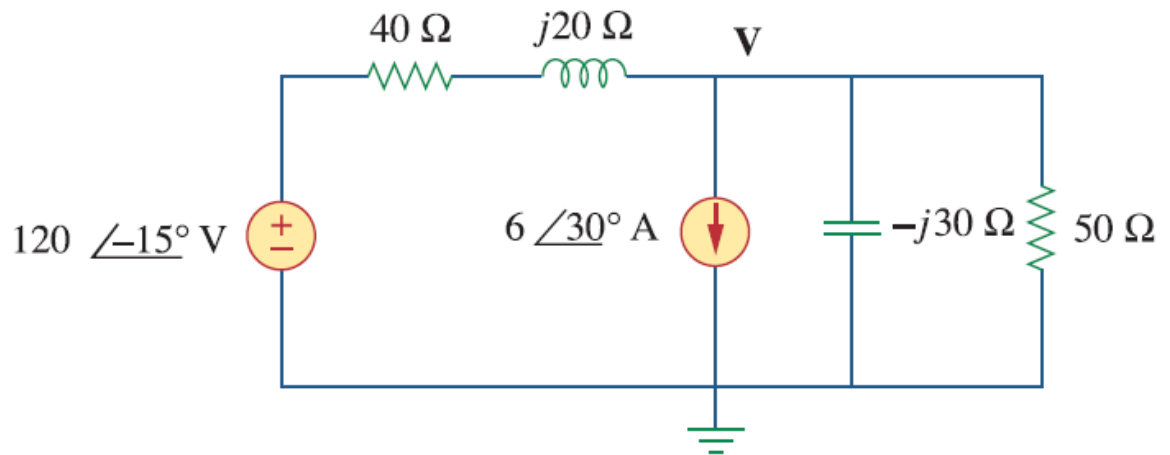


Assignment 3

Q1)

10.7 Use nodal analysis to find V in the circuit of Fig. 10.56.



Q2)

10.4 Compute $v_o(t)$ in the circuit of Fig. 10.53.

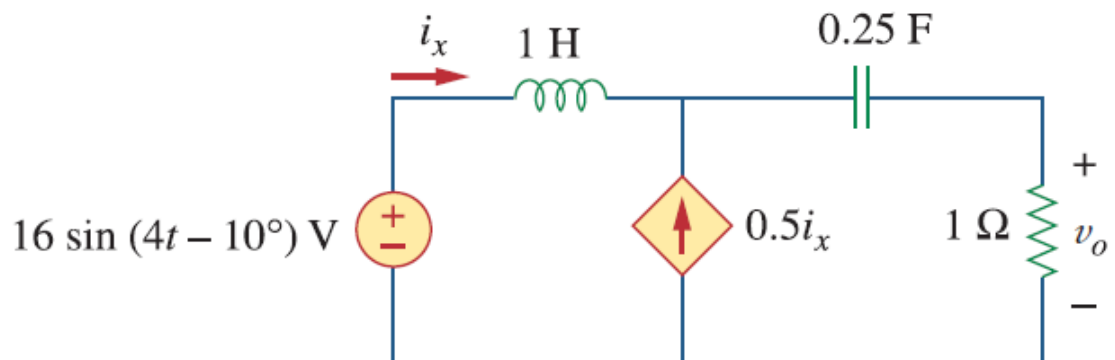


Figure 10.53

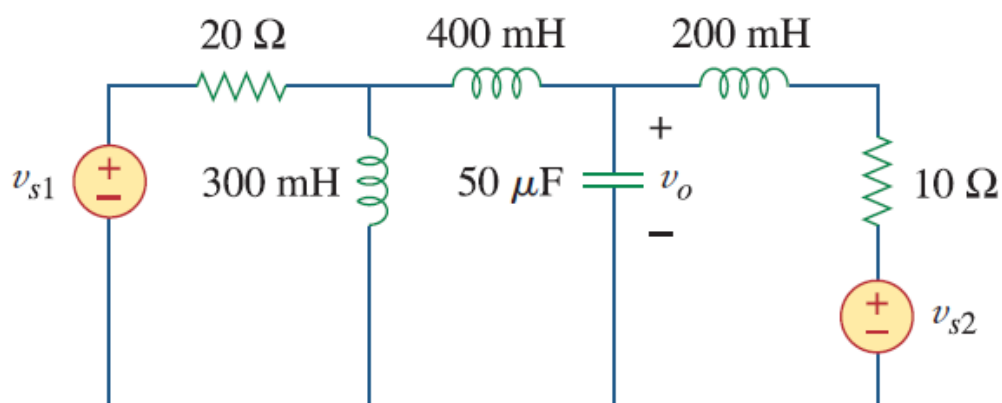
For Prob. 10.4.

Q3)

10.30 Use mesh analysis to find v_o in the circuit of



Fig. 10.78. Let $v_{s1} = 120 \cos(100t + 90^\circ)$ V,
ML $v_{s2} = 80 \cos 100t$ V.



Q4)

10.38 Using mesh analysis, obtain $\mathbf{I}_o$ in the circuit shown



in Fig. 10.83.
ML

