

Chapter 9, Solution 37.

Determine the admittance **Y** for the circuit in Fig. 9.44.

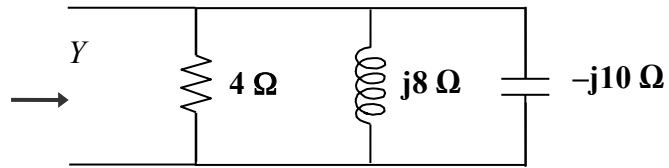


Figure 9.44
For Prob. 9.37.

Solution

$$\begin{aligned} Y &= (1/4) + (1/(j8)) + (1/(-j10)) = 0.25 - j0.025 \\ &= (250-j25)\text{ mS} \end{aligned}$$