

**Chapter 11, Problem 97.**

A power transmission system is modeled as shown in Fig. 11.99. If  $\mathbf{V}_s = 240 \angle 0^\circ$  V rms, find the average power absorbed by the load.

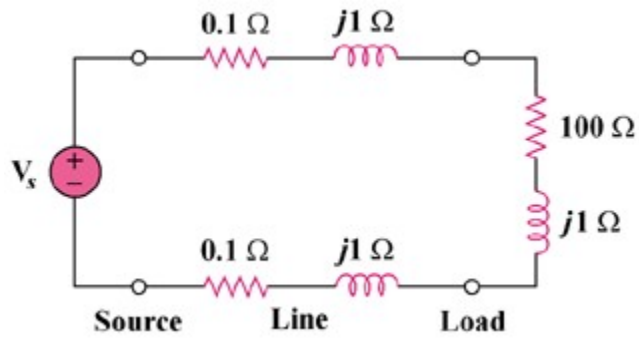


Figure 11.99  
For Prob, 11.97.