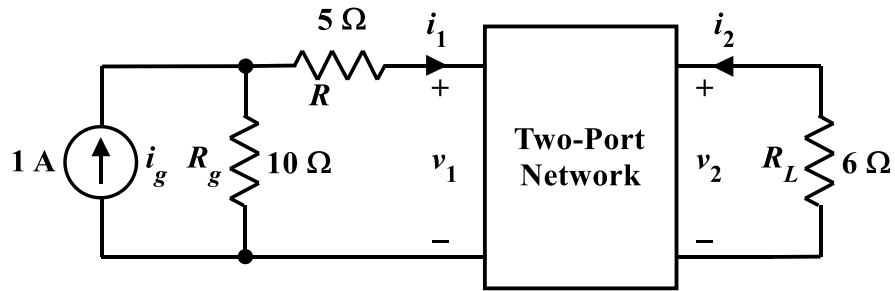


**Homework Problem #20**

If the two-port network shown above is described by the hybrid parameters

$$\mathbf{H} = \begin{bmatrix} 50\ \Omega & 0.02 \\ 5 & 100\ \text{mS} \end{bmatrix},$$

determine the value of  $I_2$  and the amount of power absorbed by the load resistor,  $R_L$ .