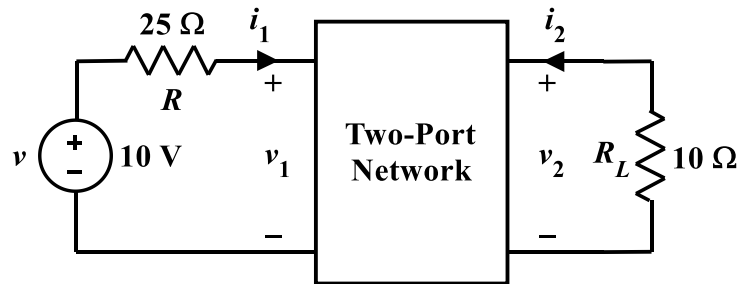


Homework Problem #19

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

$$\mathbf{A} = \begin{bmatrix} 0.5 & 10 \Omega \\ 0.05 \text{ S} & 3 \end{bmatrix},$$

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