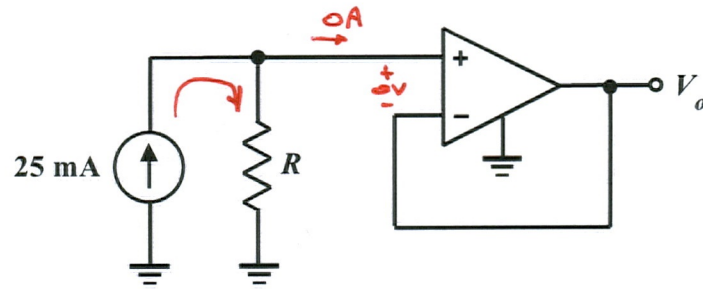


## Homework Problem #39



The OpAmp is ideal. Determine the value of  $R$  required to make  $V_o = 20\text{V}$ .

$$V_o = R(25\text{mA}) = 20\text{V}$$

$$\Rightarrow R = \frac{20\text{V}}{25\text{mA}} = 800\Omega$$