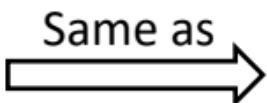


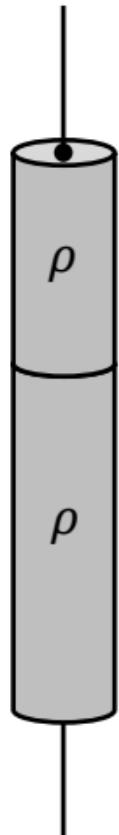
Write each resistance R in terms of ρ , A , and ℓ_1 or ℓ_2 :

$$R_1 =$$

$$R_2 =$$

Same as 

$$\ell_1 + \ell_2$$



Write the equivalent resistance R_{eq} in terms of ρ , A , and the total length $(\ell_1 + \ell_2)$:

$$R_{\text{eq}} =$$

Use the result above to write R_{eq} in terms of R_1 and R_2 .

$$R_{\text{eq}} =$$