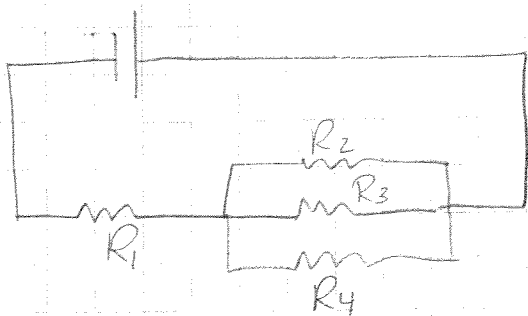




$$R_1 = 12 \Omega$$

$$R_2 = 18 \Omega$$

$$R_3 = 9 \Omega$$

$$R_4 = 6 \Omega$$

Find R_{234} ...
(Parallel)

$$\frac{1}{R_{234}} = \frac{1}{R_2} + \frac{1}{R_3} + \frac{1}{R_4}$$

$$R_{234}^{-1} = (18 \Omega)^{-1} + (9 \Omega)^{-1} + (6 \Omega)^{-1}$$

$$R_{234}^{-1} = .\overline{3}$$

$$R_{234} = 3 \Omega$$

Find R_{eq} ...
(Series)

$$R_{eq} = R_1 + R_{234}$$

$$= (12 \Omega) + (3 \Omega)$$

$$R_{eq} = 15 \Omega$$