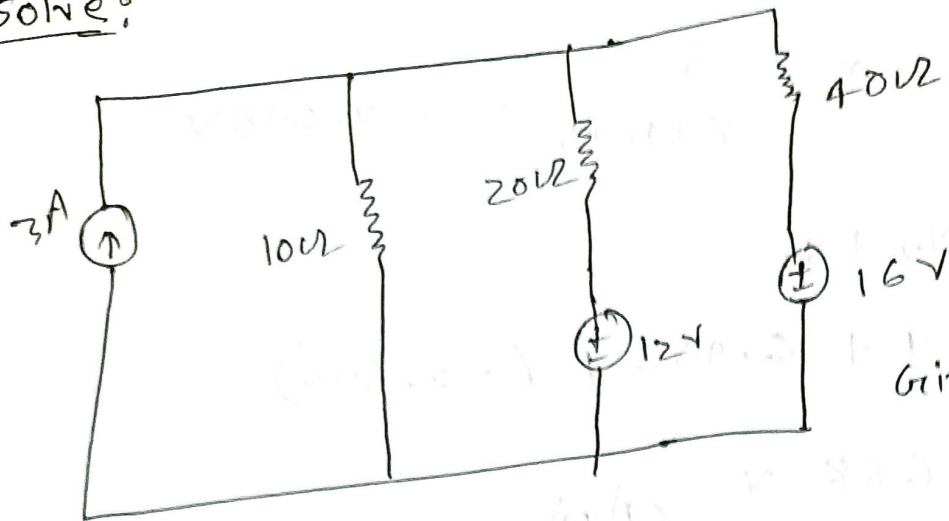


Solve:



Given that,

$$I_1 = 3A$$

Transferring voltage source to current source,
we get,

$$I_2 = \frac{12}{20} = 0.6A$$

$$I_3 = \frac{16}{40} = 0.4A$$

$$\therefore \text{Total current, } I = I_1 + I_2 + I_3$$

$$= 3 + 0.6 + 0.4$$

$$= 4A$$

\therefore equivalent resistance \rightarrow

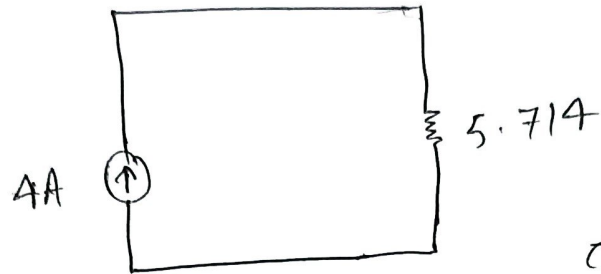
$$\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

$$= \frac{1}{10} + \frac{1}{20} + \frac{1}{40}$$

$$= \frac{7}{40}$$

$$\therefore R_{eq} = 5.714$$

∴ After transforming all the source the new circuit is



(Ans) .