Solution Tutorial-3

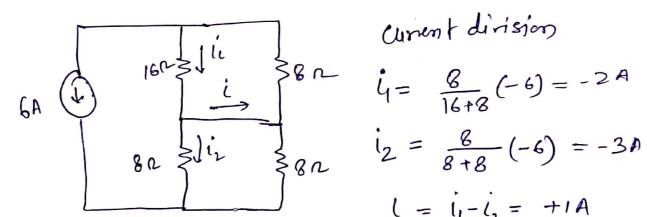
Using stor to delta Conversion, we ge 1812 62 B (18 | 18 + 18 | 18) | 18 = (9+9) 11 18 (18) 11 18 \$122 using Source transfermation

Scanned with CamScanner



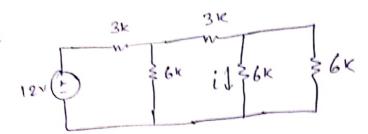
$$96 = 40i + 6$$
 $l = \frac{90}{40} = \frac{9}{4}A$

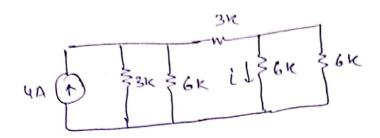




$$\dot{4} = \frac{8}{16+8}(-6) = -28$$

$$i_2 = \frac{8}{8+8}(-6) = -3A$$





$$8-5i_1-6(i_1-i_2)=0$$

$$8=11i_1-6i_2$$

$$\begin{array}{c}
8 = 116_{1} \\
-6 \left(12 - l_{1}\right) - 6l_{2} = 0 \\
-6 \left(12 - l_{1}\right) - 6l_{2}' = 0 \\
-6 l_{2}' + 6 l_{1}' - 6 l_{2}' = 0 \\
l_{1} = 2 l_{2}' - 2
\end{array}$$

$$\beta_{u}/2$$
 in (1)
 $8 = 22i_2 - 6i_2$ $\left[i_2 = \frac{1}{2}m_0\right]$

$$l_1 = 2 \times 1 = 100 \text{ mA}$$

 $l_2 = 1 - 12 = 1 - 1 = 0.5 \text{ mA}$