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Answer

1 Thevenin's equivalent

8 AM 101 a b 2002 voitage

To 2 voitage

$$I_1 = \frac{20440}{20440 + 10450} \times 8 = \frac{60}{120} \times 8 = 4A$$

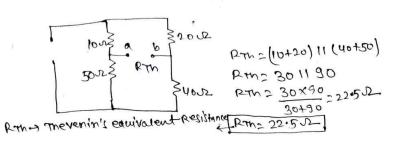
$$I_2 = \frac{10+50}{2.0+40+10+50} \times 8 = \frac{60}{120} \times 8 = 4A$$

$$V_{0} = V_{0} - V_{0}$$

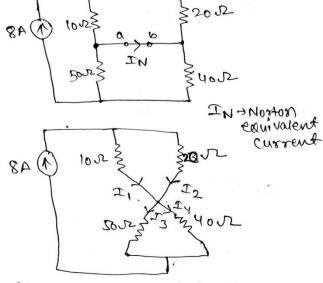
$$V_{0} = V_{0} - V_{0}$$

$$V_{0} = 40I_{2} = 40x4 = 160V$$

Von= you



1 Norton equivalent

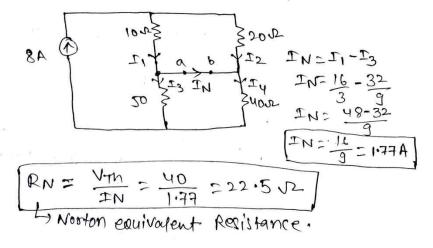


$$T_1 = \frac{20}{30} \times 8 = \frac{16}{3} A$$

$$T_2 = \frac{10}{30} \times 8 = \frac{8}{3} A$$

$$T_3 = \frac{40}{90} \times 8 = \frac{32}{9} A$$

$$T_4 = \frac{50}{90} \times 8 = \frac{40}{9} A$$



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