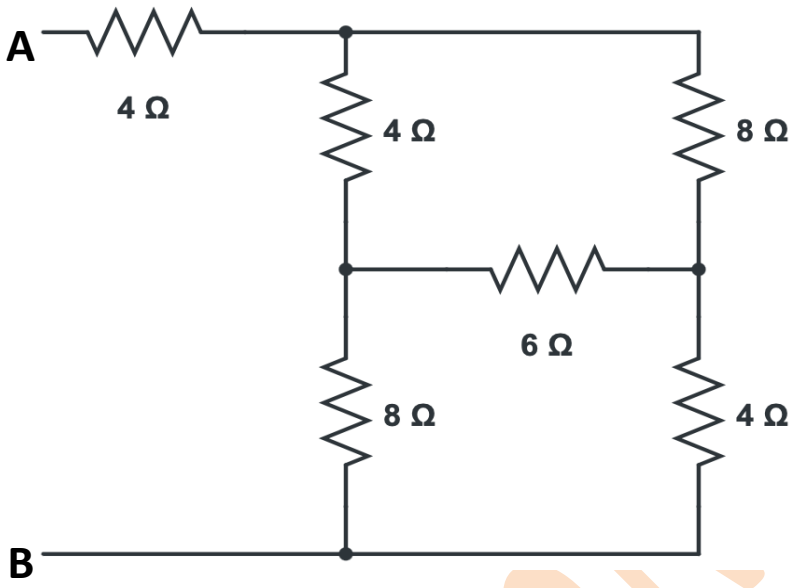
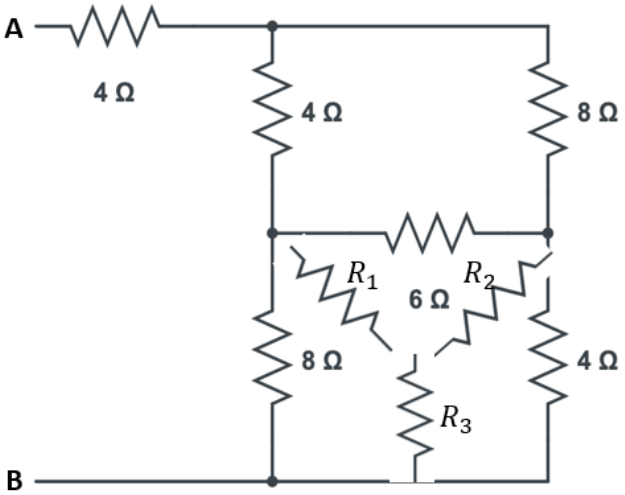
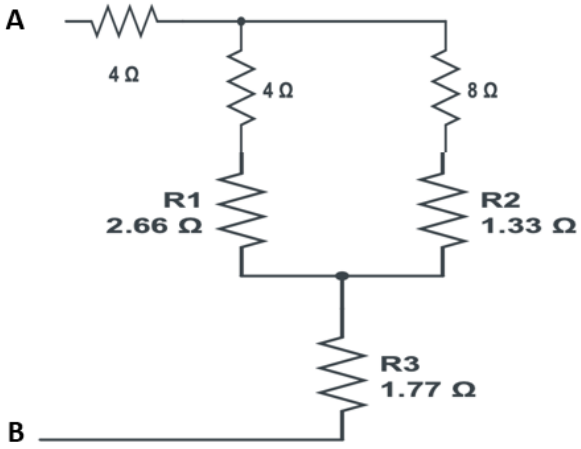
Lecture 8

1. **Find the equivalent resistance between the terminals A and B in the given network.**

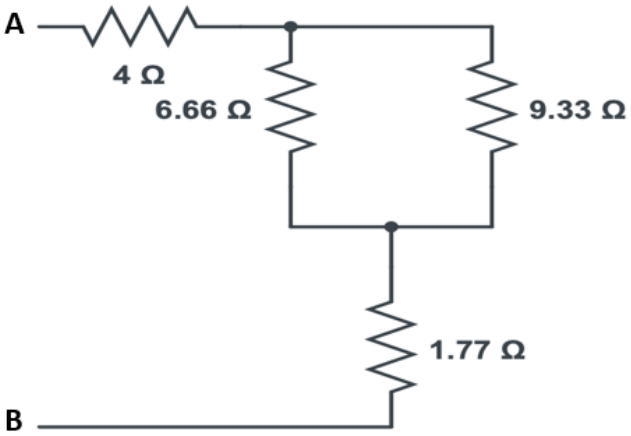


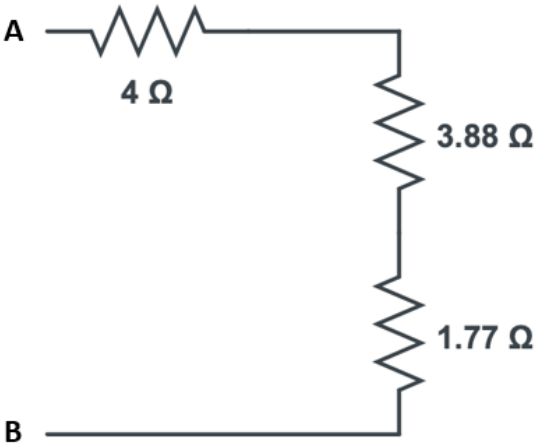
SOLUTION:





$$R_1 = \frac{8 \times 6}{8+6+4} = 2.66\Omega \qquad R_2 = \frac{6 \times 4}{8+6+4} = 1.33\Omega \qquad R_3 = \frac{8 \times 4}{8+6+4} = 1.77\Omega$$





$$\frac{6.66 \times 9.33}{6.66 + 9.33} = 3.88\Omega$$

$$R_{AB} = 4 + 3.88 + 1.77 = 9.65\Omega$$

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