Department of ECE, Bennett University

EECE105L: Fundamentals of Electrical and Electronics Engineering

Tutorial Sheet-3

1. For the circuits shown in fig. 1 through 4, find the equivalent resistance R_T between nodes A and B. If the value for any resistor is not provided, assume 1 kΩ resistance.

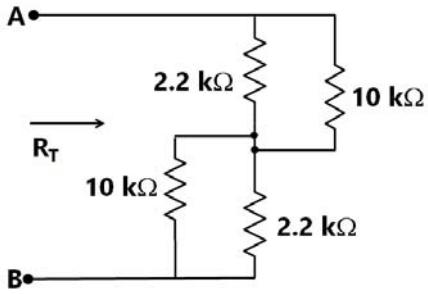

Fig. 1

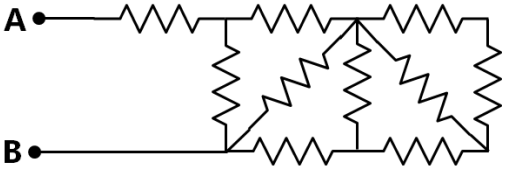

Fig. 2

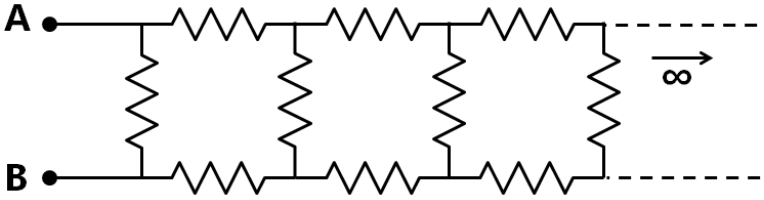

Fig. 3

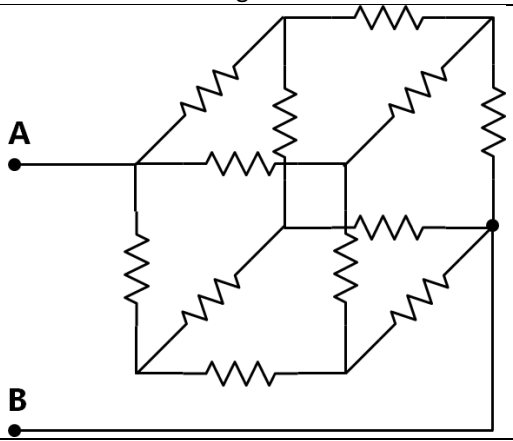

Fig. 4

2. For the circuit shown in fig. 5 through 8, find the equivalent resistance between nodes A and B. Then evaluate current through each resistor and voltage drop across each resistor.

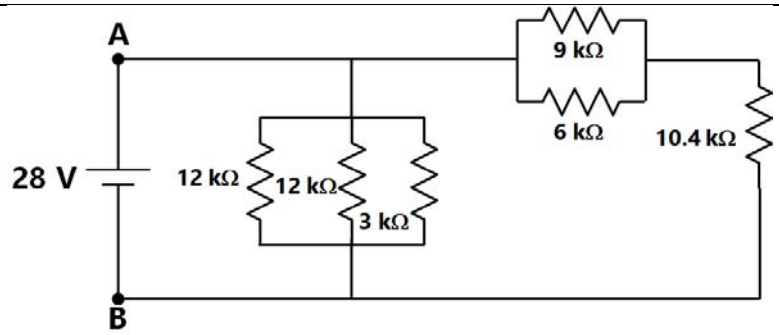

Fig. 5

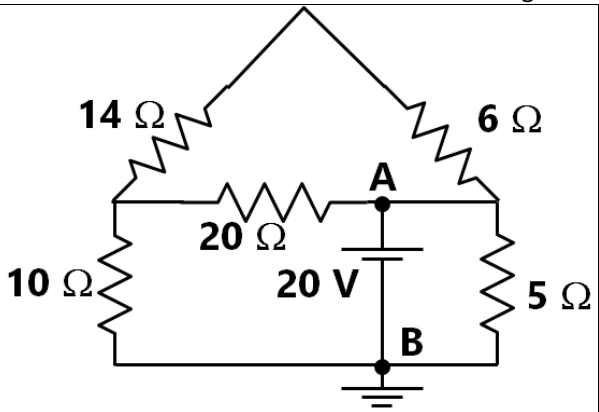

Fig. 6

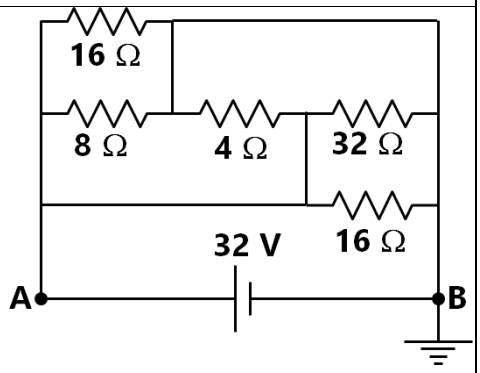

Fig. 7

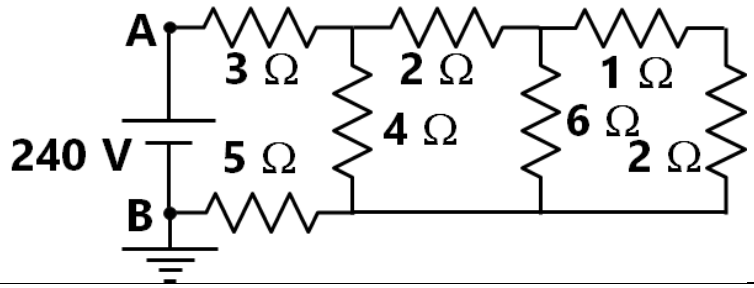

Fig. 8

3. For the circuit shown in fig. 9 and fig. 10, determine current through the resistors, voltage across the resistors and their power rating.

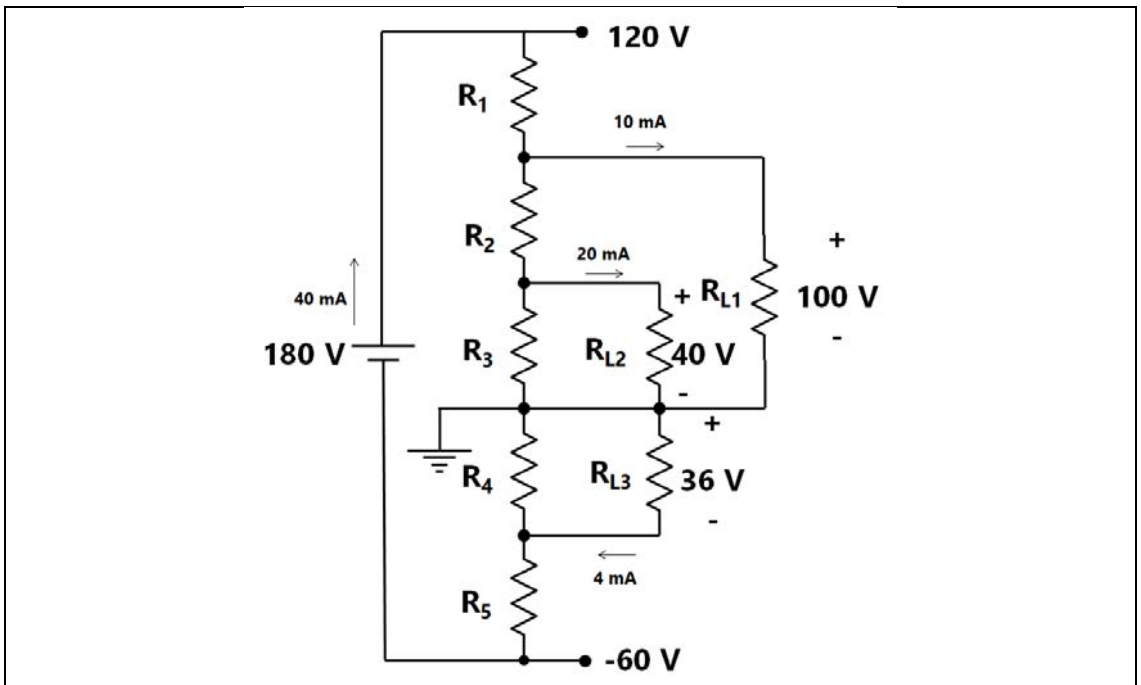

Fig. 9

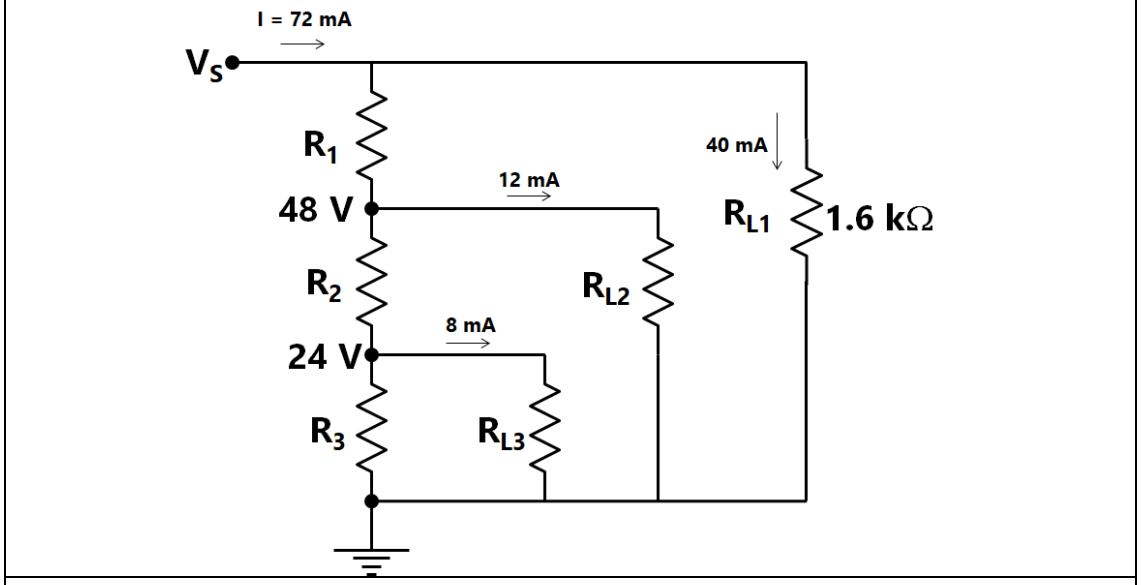

Fig. 10

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