Circuit Analysis Techniques



Lecture 10 Tutorial

Lecture delivered by:



Objectives

At the end of this lecture, student will be able to:

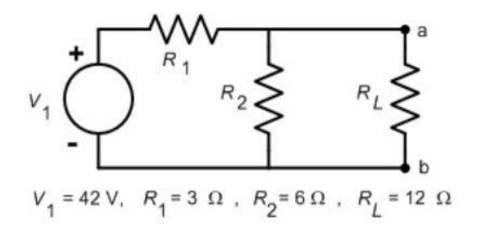
- Solve problems on Thevenin's Theorem
- Solve problems on Superposition Theorem



Thevenin's Theorem

Problem 5:

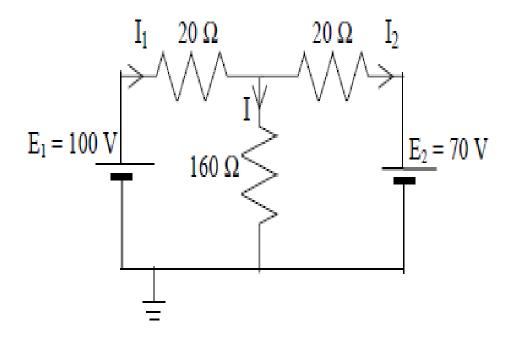
Obtain the load current through R_L using Thevenin's theorem.



Thevenin's Theorem

Example 6:

Obtain the load current I using Thevenin's theorem.

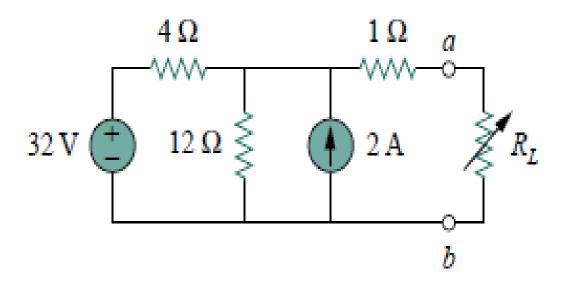




Thevenin's Theorem

Problem 7:

Find the load current through $R_L = 6$, 16 and 36 Ω using Thevenin's theorem for the given circuit.

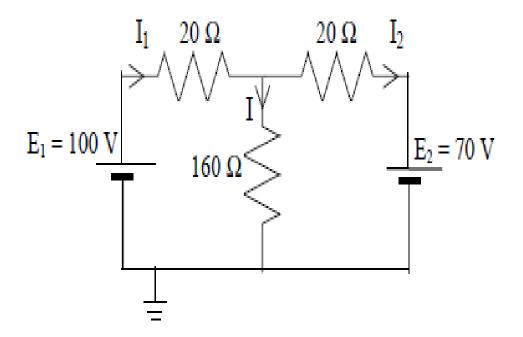




Norton's Theorem

Problem 8:

Obtain the load current I using Norton's theorem.





Summary

- Understand and be able to use Thevenin's theorem
- Understand and be able to use Norton's theorem

