

Problems for electric circuits I (EE231)
From book "Electric Circuits" by James W. Nilsson, Susan A. Riedel
(9th Edition)

Chapter 3: Simple Resistive Circuits

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Number: 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.25, 3.26, 3.28, 3.29, 3.30,

Chapter 4: Techniques of Circuit Analysis

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Node Voltage Method

Number: 4.6, 4.7, 4.8, 4.9, 4.13, 4.14, 4.15, 4.22, 4.24, 4.26.

Mesh-Current Method

Number: 4.33, 4.34, 4.42, 4.48.

Source Transformation

Number: 4.59, 4.60, 4.61, 4.62.

Thevenin Equivalent Circuit

Number: 4.63, 4.64, 4.65, 4.66.

Norton Equivalent Circuit

Number: 4.67.

Maximum Power Transfer

Number: 4.79.

Principle of Superposition

Number: 4.91, 4.92, 4.93, 4.94.