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calculate the thevenin voltage with respect to this terminal

determine the value of current in the circuit

replace this portion of the circuit with a single voltage source

let me run the simulation of the circuit

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Diodes

The Thevenin Theorem Definition

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The Npn Transistor

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Emitter

Pnp Transistor

Formulas

Emitter Currents

Emitter Current

Solving a Circuit
Current Flowing through a Resistor
Reverse Bias Mode
Active Region
Saturation Region
Cutoff Region

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