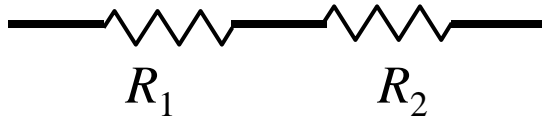


Resistor Summary

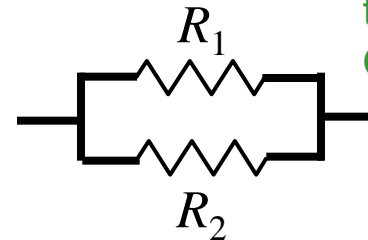
Series

Every loop with R_1 also has R_2



Parallel

There is a loop that contains ONLY R_1 and R_2



Wiring

Each resistor on the same wire.

Each resistor on a different wire.

Voltage

Different for each resistor.

$$V_{total} = V_1 + V_2$$

Same for each resistor.

$$V_{total} = V_1 = V_2$$

Current

Same for each resistor

$$I_{total} = I_1 = I_2$$

Different for each resistor

$$I_{total} = I_1 + I_2$$

Resistance

Increases

$$R_{eq} = R_1 + R_2$$

Decreases

$$1/R_{eq} = 1/R_1 + 1/R_2$$