Kirchoff's Laws

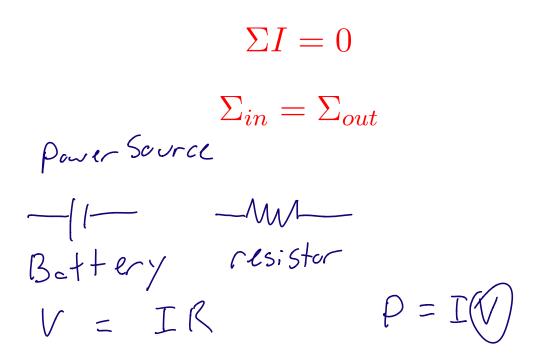


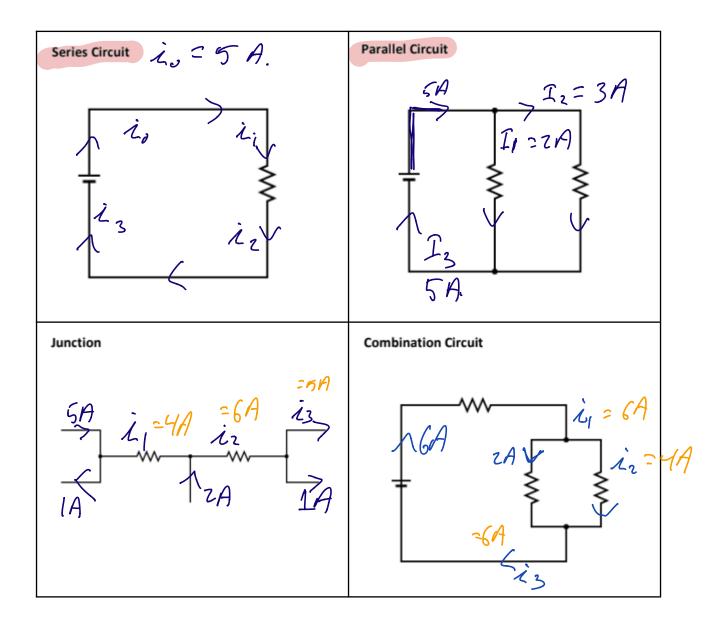
What Goes In, Must Come Out

Rule 1: Current Rule

For any junction in a circuit the total current flowing into the junction must equal the total current flowing out of the junction

For any point in a circuit:





Rule 2: Voltage Rule

In any closed loop within a circuit the sum of all the voltages equals zero.

The total voltage gained equals the total voltage dropped

This is an example of conservation of energy

 $\Sigma V_{gained} = \Sigma V_{dropped}$

