



Kirchhoff's Laws

(1) Label all currents

Choose any direction

(2) Label +/- for all elements

Current goes $+$ \Rightarrow $-$ (for resistors)

(3) Choose loop and direction

Your choice!

(4) Write down voltage drops

Follow any loops

(5) Write down junction equation

$$I_{\text{in}} = I_{\text{out}}$$

