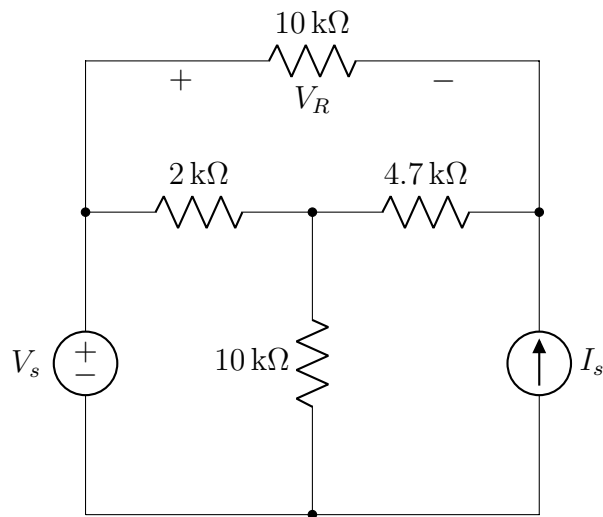# Lab assignment 03
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Nodal analysis

Exercise 1 -   Circuit

Simulation ($V_s = 5\,\text{V}$, $I_s = 4\,\text{mA}$):
- Model this circuit with a simutational tool.
- Determine the current flowing through the voltage source, and the voltage across the current source.
- Determine the limit values you will set on the DC power supply for the 2 sources.
- Determine V_R.

Analytical solution ($V_s = 5\,\text{V}$, $I_s = 4\,\text{mA}$):
- Apply nodal analysis.
- Determine V_R.

Experiment ($V_s = 5\,\text{V}$, $I_s = 4\,\text{mA}$):
- Wire the circuit on the breadboard.
- Measure V_R with a multimeter.

Conclusions?