

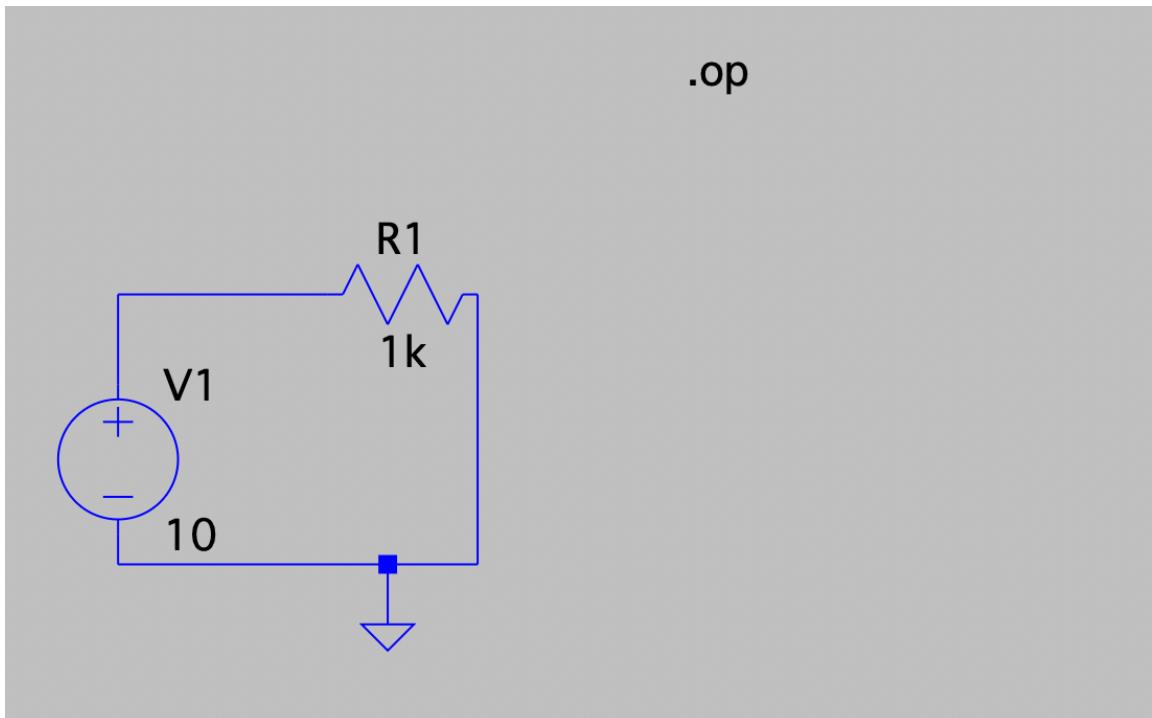
# Prelab #1

```
In [1]: """
Import and run test functions for jlab module.

No output is produced if all tests pass.
"""

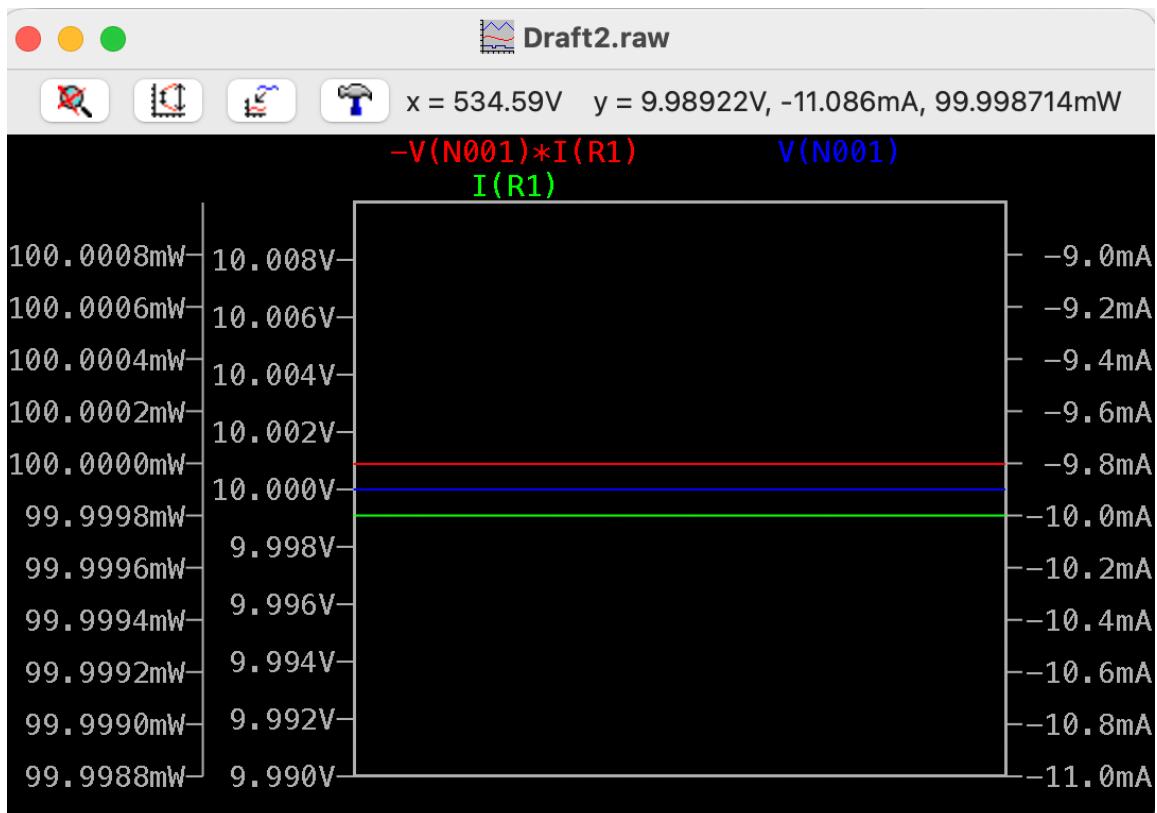
import jlab as jl

jl.test_resistor_functions()
jl.test_capacitor_functions()
```



$$I = V/R = 10V / 10 \cdot 10^3 \Omega = 10^{-3}A = 10mA$$

$$P = (\Delta V)^2/R = 10V^2 / 10 \cdot 10^3 \Omega = 100mW$$



The calculated and measured values match!