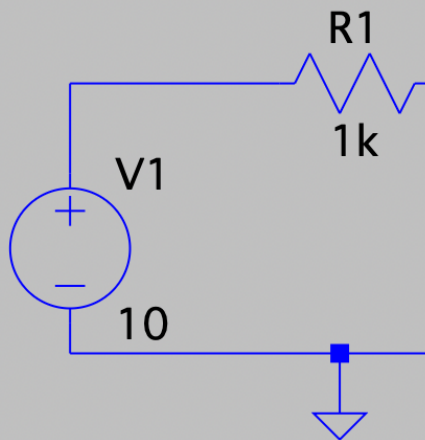


# Prelab #1

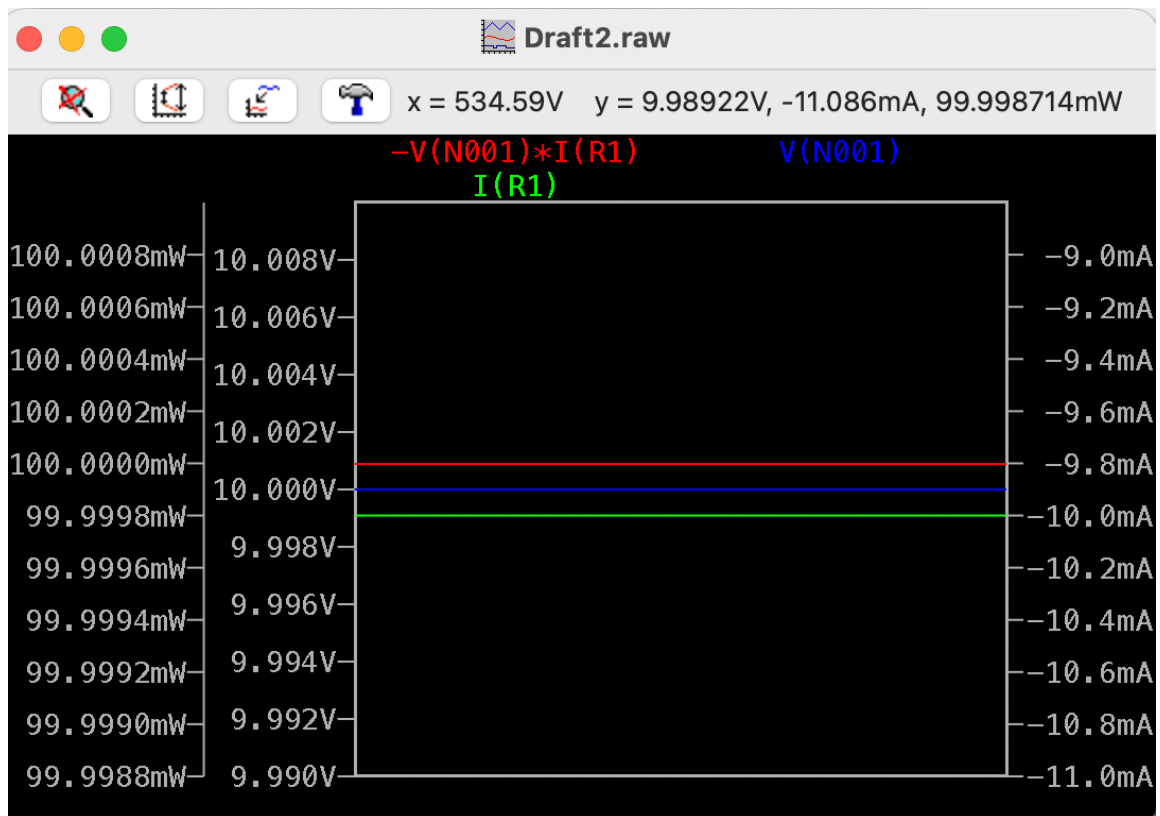
```
In [1]: '''  
        Import and run test functions for jlab module.  
  
        No output is produced if all tests pass.  
        '''  
  
import jlab as jl  
  
jl.test_resistor_functions()  
jl.test_capacitor_functions()
```

.op



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

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



The calculated and measured values match!