



LOGIC POWER SUPPLY

THE LOGIC SUPPLY PIN PROVIDES POWER TO RUN THE ELECTRONIC COMPONENTS.

THE NAME VCC IS USED FOR THE MEMORY DEVICE SUPPLY VOLTAGE PIN WHEN THE SUPPLY VOLTAGE IS NOMINALLY 5 V.

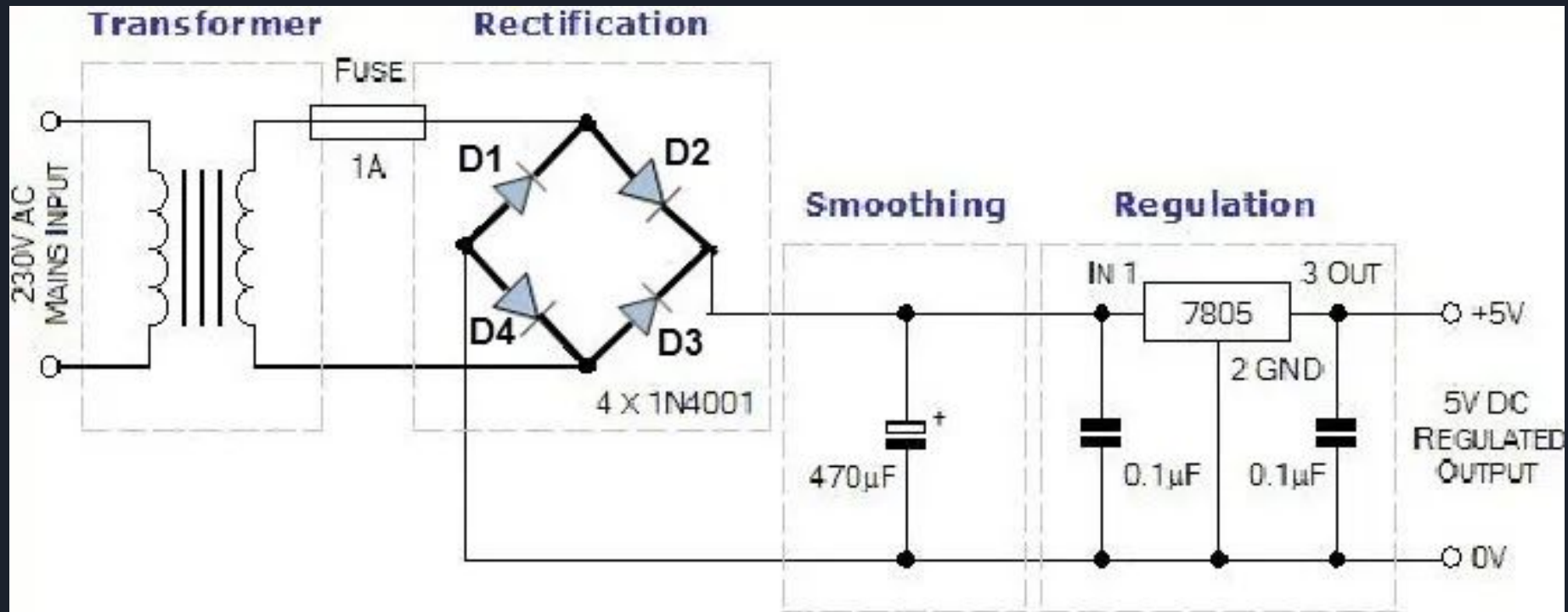
Basic Electronic Components



Basic components required

- 1.Power supply or Transformer
- 2.Polarized capacitor - (Capacitance 2200 microfarad and Voltage rating 30 volt)
- 3.Diode(4 required)
- 4.Voltage Regulator IC (LM7805)
- 5.Register (1 k)
- 6.Led
- 7.BreadBoard

Block Diagram

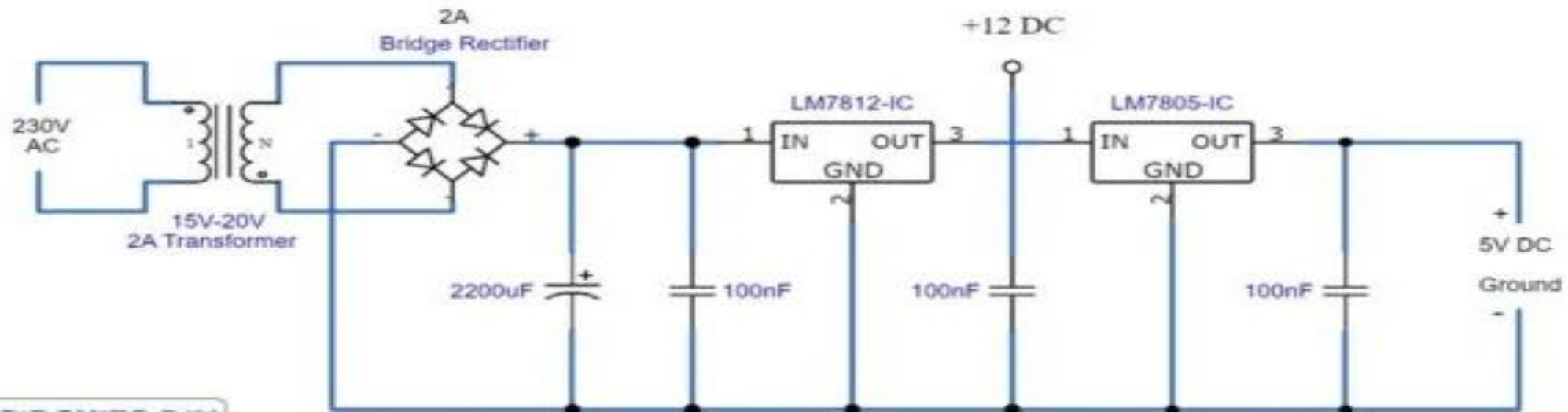


Dual Power Supply Components Required

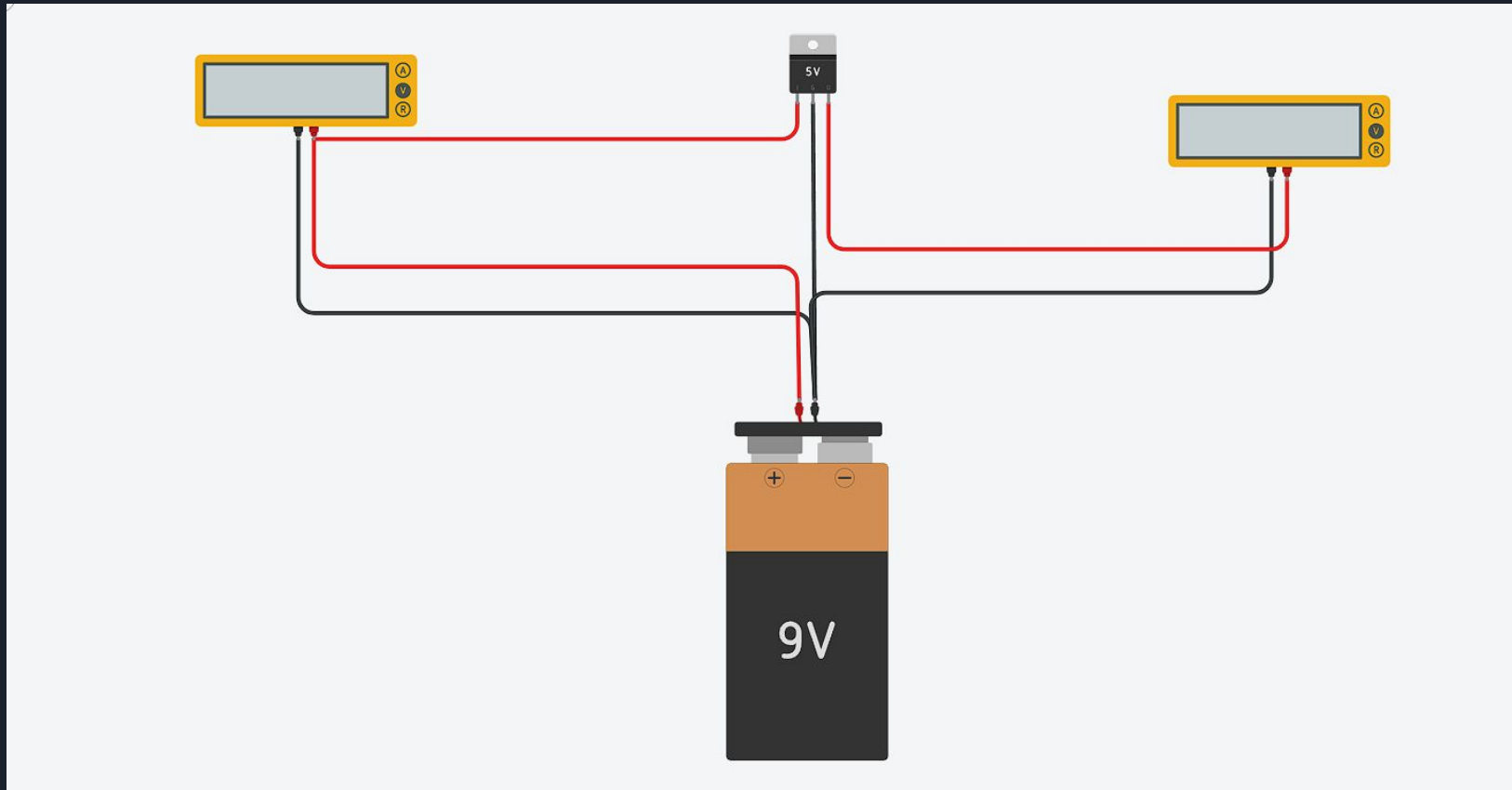
- 1.Power supply or Transformer
- 2.Polarized capacitor - (1 Capacitor with Capacitance 2200 microfarad and Voltage rating 30 volt and 3 Capacitor with Capacitance 100 microfarad)
- 3.Diode(4 required)
- 4.Voltage Regulator IC (LM7805(5v) and LM7812(12v))
- 5.Register (1 k)
- 6.Led(2)
- 7.BreadBoard

Dual Power Supply

12 Volt 5 Volt

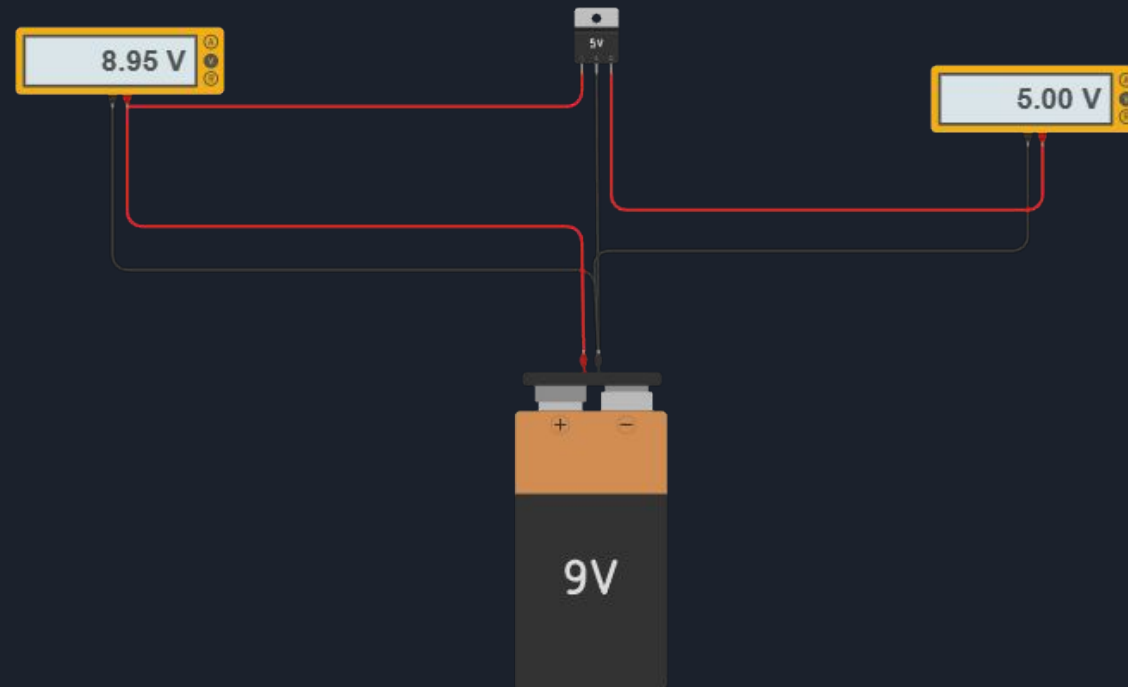


Voltage Regulator IC LM7805



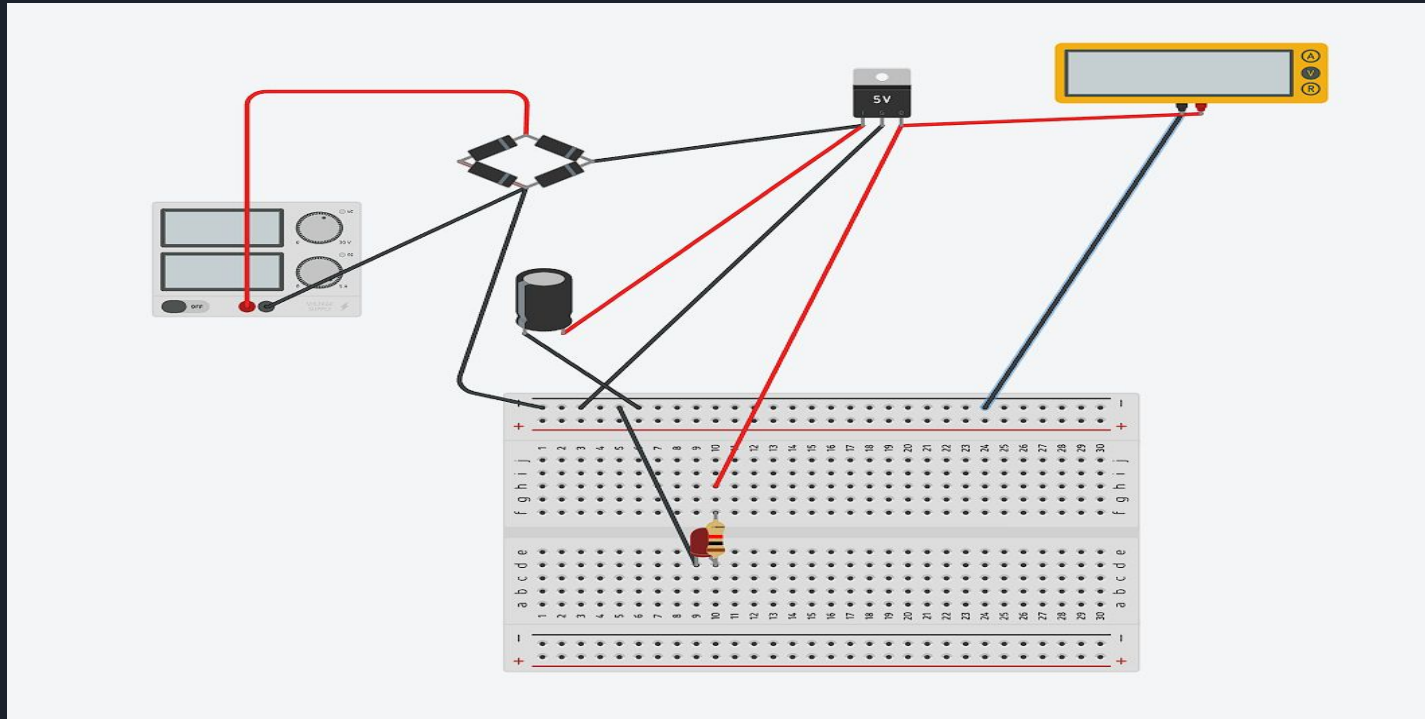
After Simulation

- Output



Logic Power Supply

- Block Diagram



After Simulation

Output

