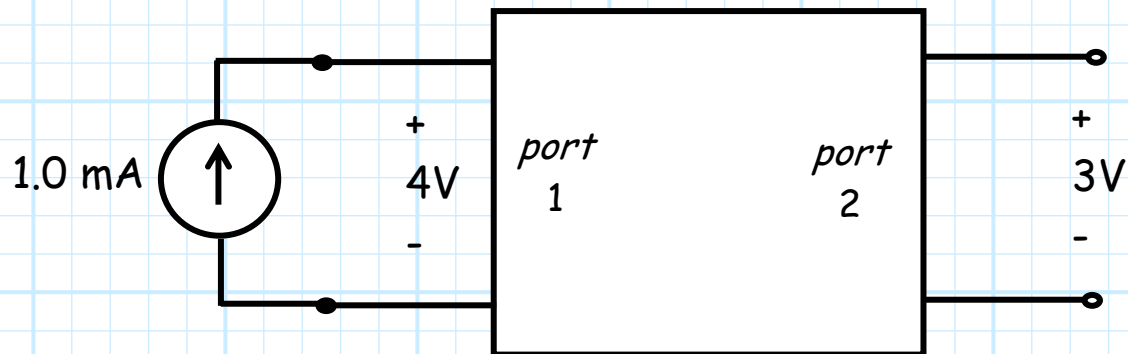


### Special Problem 4.2 - 3

We know that the **reciprocal** two-port network below has a one of its impedance matrix values  $Z_{22} = 2$ .

We also know that when evaluated in the lab, we **measured** these values:



Determine both the impedance and admittance matrices of this device.