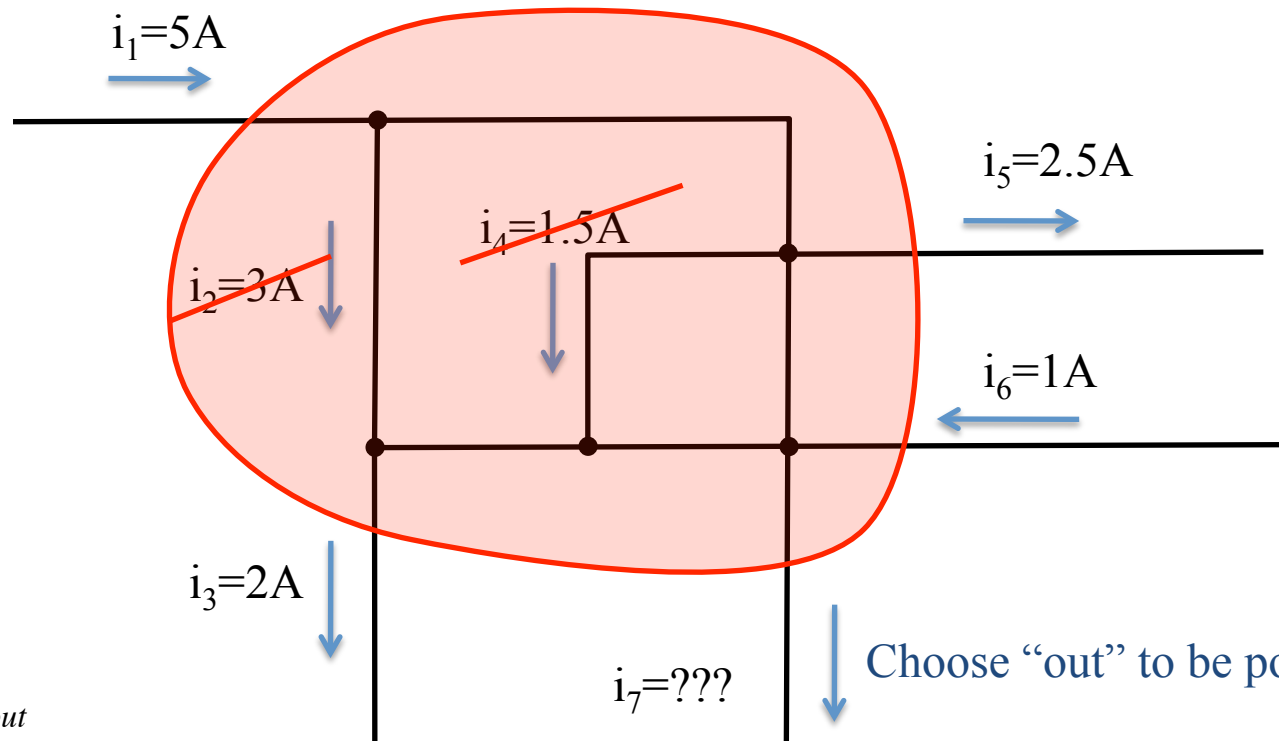


# Current Conservation



$$i_{in} = i_{out}$$

$$i_1 + i_6 = i_3 + i_5 + i_7$$

$$i_7 = i_1 + i_6 - i_3 - i_5$$

$$i_7 = 5A + 1A - 2A - 2.5A = 1.5A$$