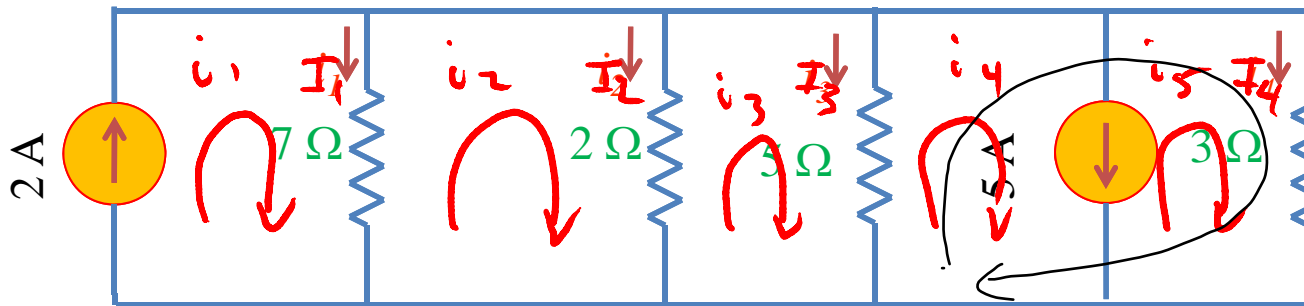


# Nodal vs. mesh analysis?



5 unknowns

Supermesh

$$\textcircled{5} i_1 = 2A$$

$$\textcircled{1} -7(i_1 - i_2) + 2(i_2 - i_3) = 0$$

$$\textcircled{2} -2(i_2 - i_3) + 5(i_3 - i_4) = 0$$

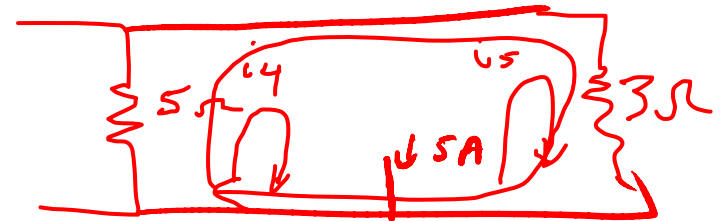
KVL  $\textcircled{a}$  supermesh

$$\textcircled{3} -5\Omega(i_3 - i_4) + 3\Omega(i_5) = 0$$

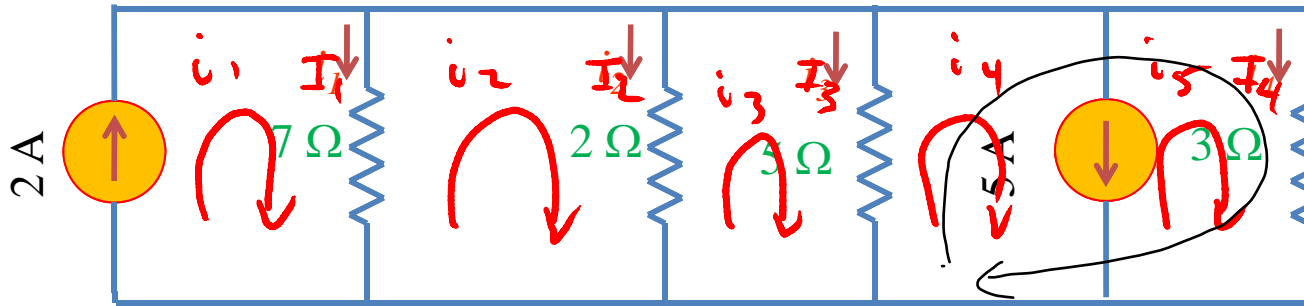
KCL  $\textcircled{a}$  supermesh

$$i_4 + 5A = i_5$$

5 eqns. 5 unknowns  $i_1, i_2, i_3, i_4, i_5$



# Nodal vs. mesh analysis?



5 unknowns

Supermesh

CORRECTION:

$$i_5 + 5A = i_4$$

