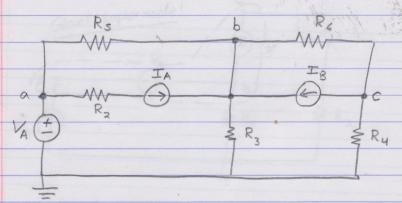
Warm-Up

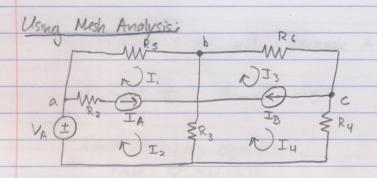
(Spring 2004)



Using Nodal Analysis

Nodal at b:
$$-I_A + \frac{V_b - V_a}{R_5} + \frac{V_b - V_c}{R_6} - I_B + \frac{V_b}{R_3} = 0$$

Two equations, two unknowns (V8 + Vc)



Supermesh 1+2: -VA + I, RS +(I2-I4)R3=0

Auxiliary: IA = Iz-I,

Supermesh 3+4:(I4-I2)R+ I3R6+R4I4=0

Auxiliary: In = Iz - I4

Four equations, four unknowns (I, Iz, Iz, Iy).

Don't forget auxiliary equations.

