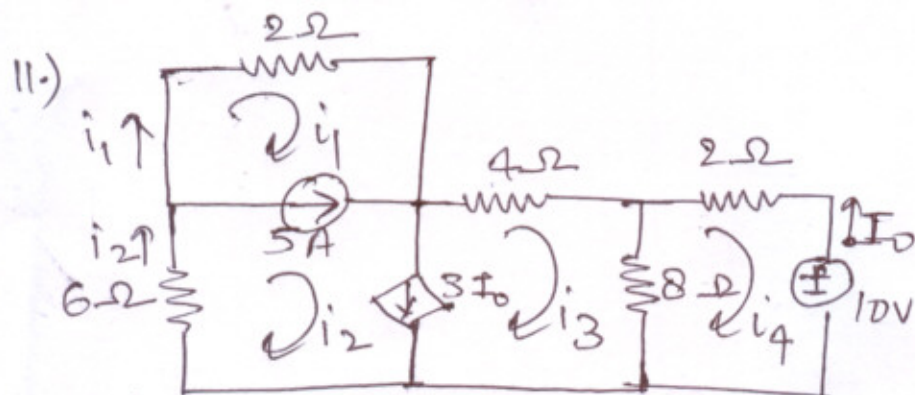


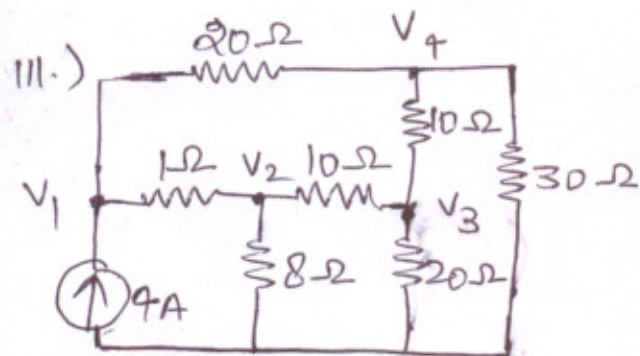
find current  $I_0$  in the circuit.

Ans:  $I_0 = 1.5 \text{ A}$



find  $i_4$  &  $i_1$ .

Ans:  $i_1 = -7.5 \text{ A}$ ;  $i_4 = 2.143 \text{ A}$



$V_1 = 25.5 \text{ V}$

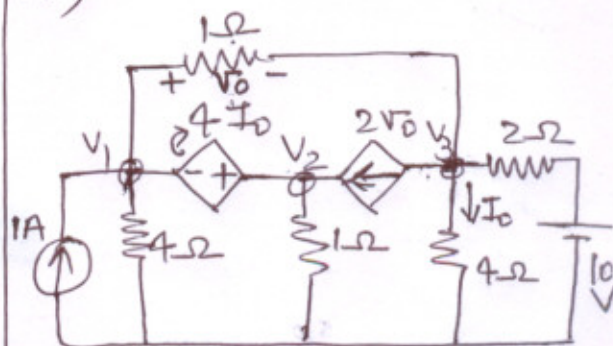
$V_2 = 22.05 \text{ V}$

$V_3 = 14.84 \text{ V}$

$V_4 = 15.055 \text{ V}$

Ans

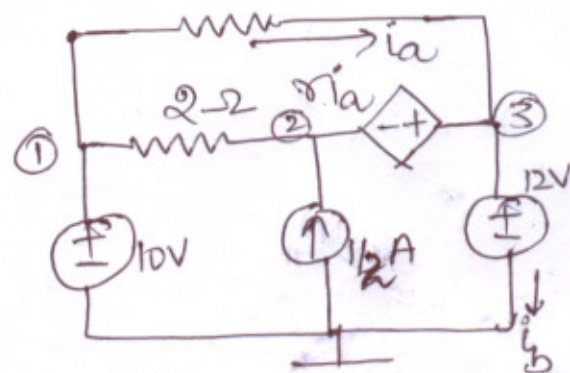
IV.)



$V_1 = 4.97 \text{ V}$   $V_3 = -0.12 \text{ V}$

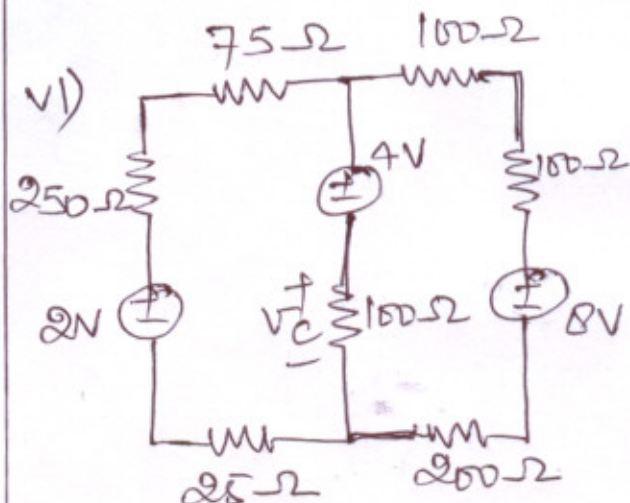
$V_2 = 4.05 \text{ V}$

V.)  $V_1 = 10 \text{ V}$ ;  $V_2 = 14 \text{ V}$ ;  $V_3 = 12 \text{ V}$   
find  $i_b$  &  $i_a$



Answer:  $i_b = -2 \text{ A}$

$R = 4 \text{ V/A}$



find  $i_a$  &  $i_b$ .