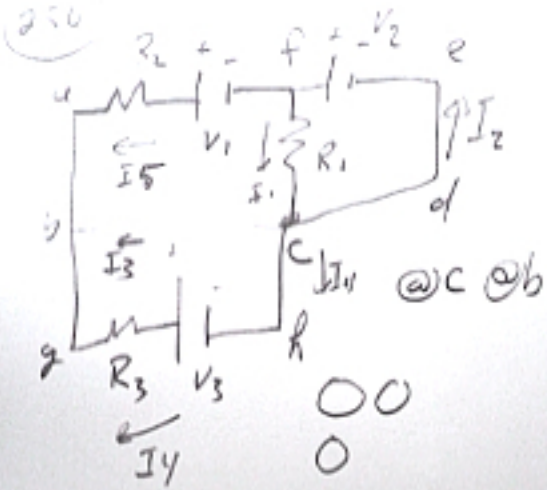


$(abcfa)\quad +I_1R_1 + V_1 - I_5R_2 = 0$

$(cdefc)\quad +V_2 - I_1R_1 = 0$

$(ghcbg)\quad +I_4R_3 - V_3 = 0$

@c: $I_1 - I_2 - I_4 - I_3 = 0$

@b: $I_5 + I_3 + I_4 = 0$

(abcfa) $+I_1R_1 + V_1 - I_5R_2 = 0$

(cdefc) $+V_2 - I_1R_1 = 0$

(ghcbg) $+I_4R_3 - V_3 = 0$

@c: $I_1 - I_2 - I_4 - I_3 = 0$

@b: $I_5 + I_3 + I_4 = 0$

$P = I_1^2R_1 + I_5^2R_2 + I_4^2R_3$

$I_1 = 20A, I_2 = 32.5A$

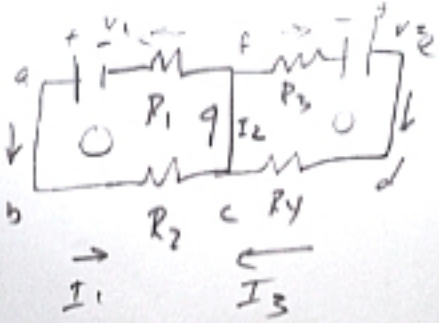
$I_5 = 12.5 \quad I_4 = 8.3$

$P = (20)^2 \cdot 1 + (12.5)^2 2 + (8_3)^2 3$

w $P = I^2R$

$I_3 = (-)12.5/6$

$\vdash \rightarrow I_3$

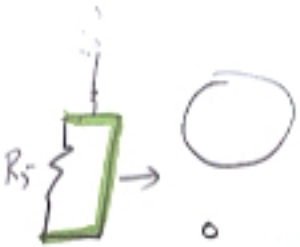


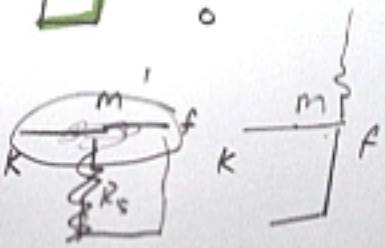
(abcfa): $-I_1R_2 - I_1R_1 + V_1 = 0$

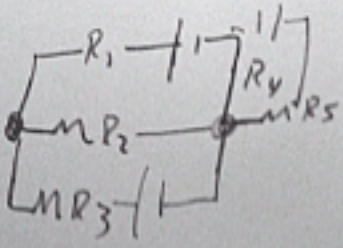
* (edcfe): $-V_2 + I_3R_3 + I_3R_y = 0$

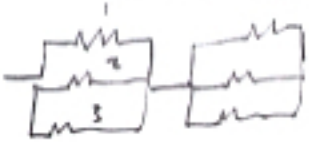
@c: $I_1 - I_2 + I_3 = 0$

$I_1 = \frac{V_1}{R_1 + R_2}$ $\quad I_3 = \frac{V_2}{R_3 + R_y}$


R_5


m
f
k
R_c
m
k
f


R_1
R_v
R_2
R_3
R_5



R_{123} // — R_{456} //

— [R_5 / R_7] → M