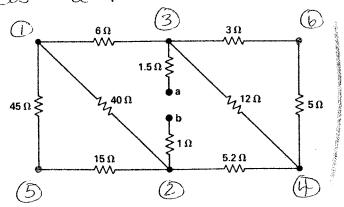
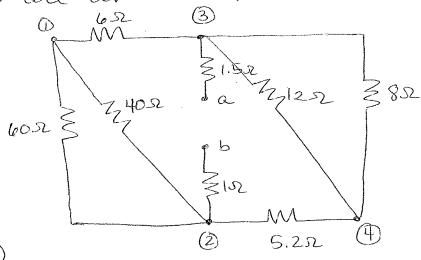
Final the equivalent resestance, Rab at modes a 4 b.



3 9 5 are un series, lose 6 Reg=82 45 9 15 are un series, lose 6 Reg=6052



60/140 at (D 42) 8/1/2 at (3) 4(4) (3) 4.8 (4.82)

0 62

81.52

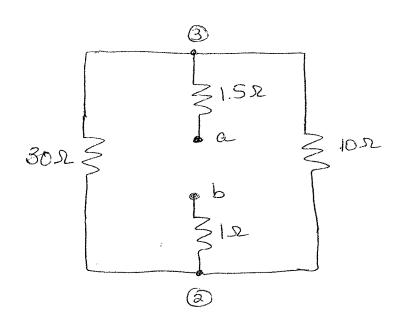
A

242

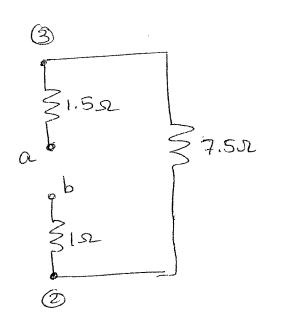
5.22

4 4.8 a 5.2 un series = 10se (lose (1))

(6 a 24 un series = 30se (lose (1))

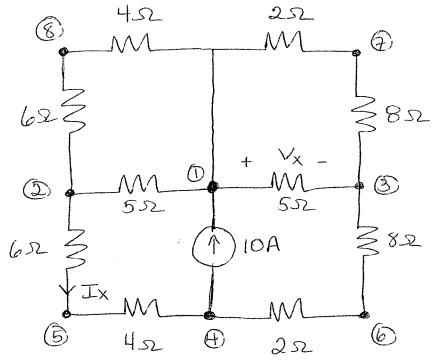


30/10 @ 3 4 @



7.5, 1.5, 4 1 in perios = 102 (dose (3) 4 (2))

Simplification & Expansion



Find $V_X \not= I_X$ (note how much is connected @ (D)

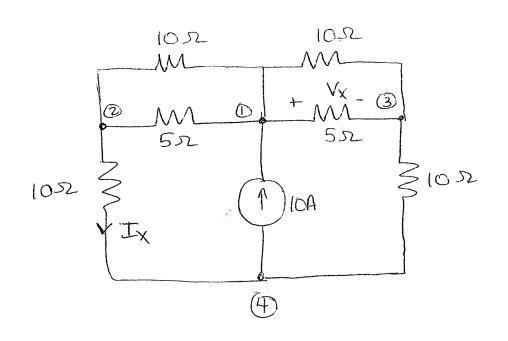
Step! H D 4652 on the top & bottom

are un series (lose (B) & (D))

22 4852 on the top & bottom

(g are in series (lose (B) & (D))

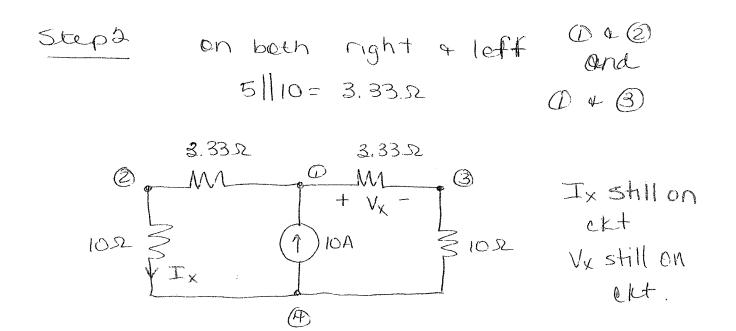
1052

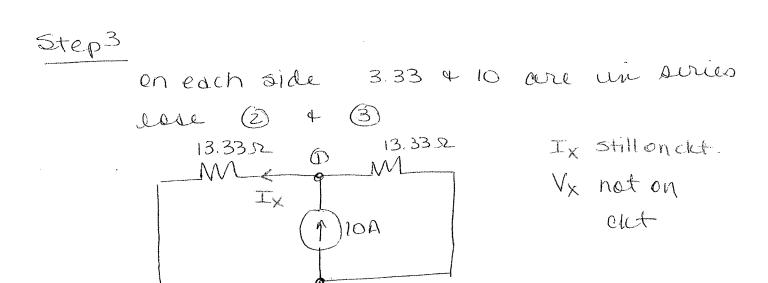


Ix still on clet

Vx still on clet.

Simp, a Expansion example - cont



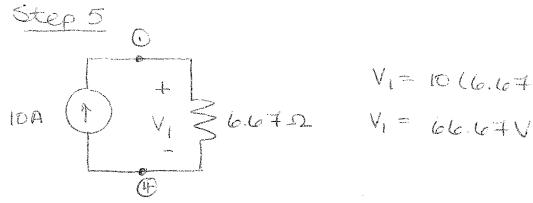


13.33 // 13.33 at D+4 IX not on the ext.

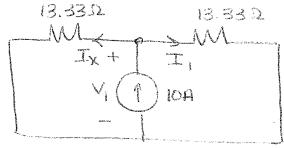
4

Simplification & Expansion

EE 213 Co



Step 6 (using ckt from 3)



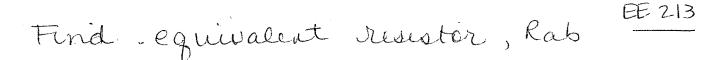
So
$$I_X = \frac{V_1}{13.33} - 5A$$

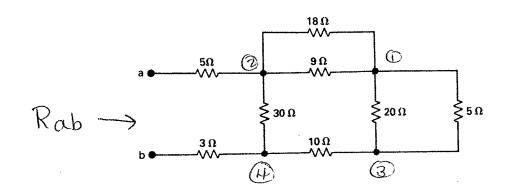
and
$$T_1 = \frac{V_1}{13.33} = 5A$$

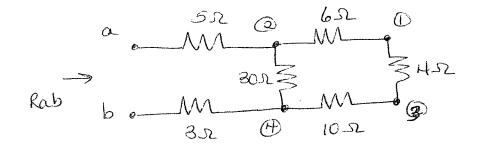
supt (using che from steps)

$$V_{X} = I_{1}(3.33)$$

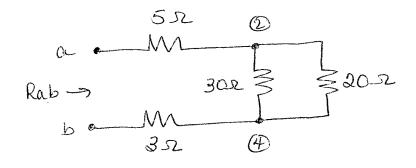
= 16.65V



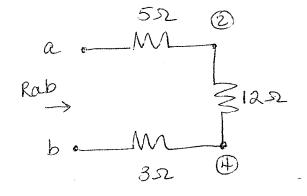




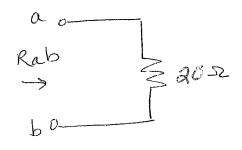
652, 452, 4 102 are man un sirus 6+4+10=202 (lose () 4 (3))



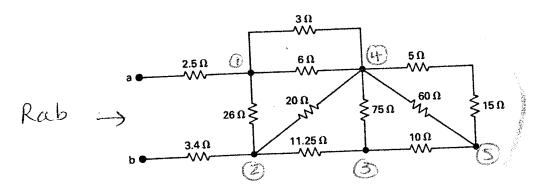
201/30 = 12 sz



5,12 43 are un perios (lose @ 4 A) 5+12+3=202



Find equivalent resistor, Rob



Rab = 1552: