Find Vy for the circuit 0.4A ((+) 0.25 ij & 150s

Ans: (3.12)
$$V_{A} = V_{A} - V_{B}$$

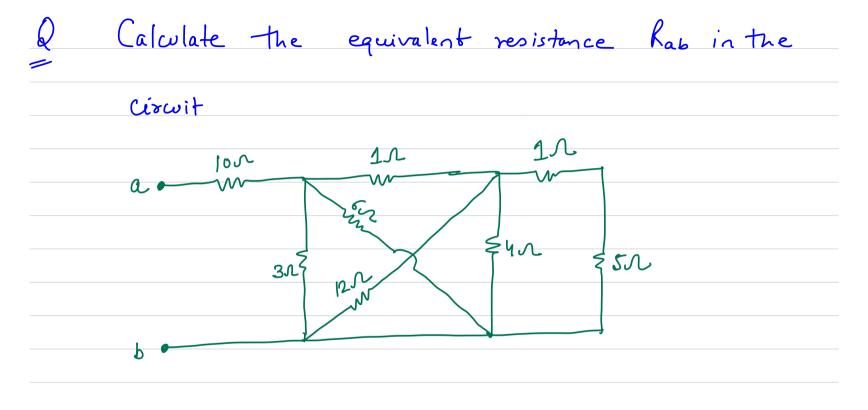
$$V_{A} = \begin{pmatrix} 0.4 \times 40 \\ 50 \end{pmatrix} \times 10 = 3.2 V$$

$$V_{B} = 0.25 \, i_{1} = 0.25 \times 40 \times 0.4 = 0.08$$

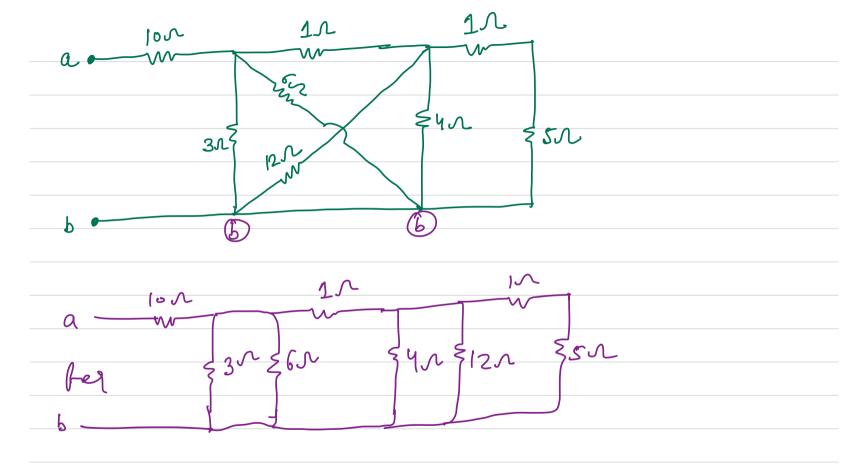
 $V_d = 3.2 - 0.08 = 3.12$

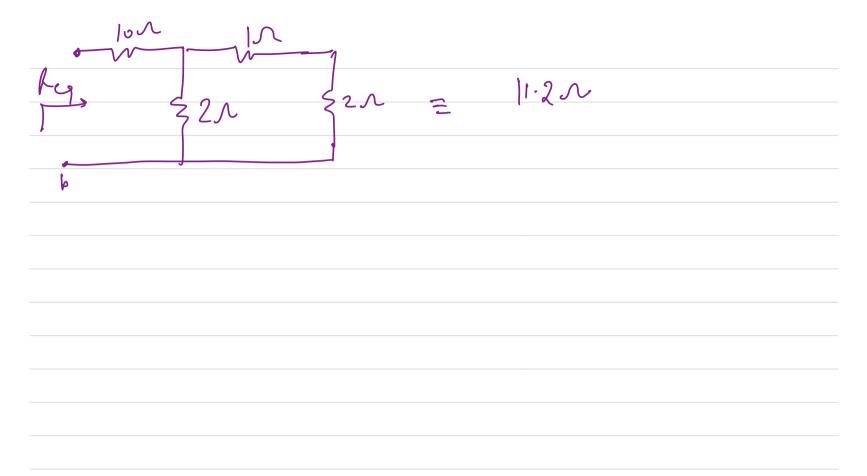
Determine the value of the current Ix in the cirwit 12W (Total Power dissi palian =0) -16xIx +12-6+10+4Ix=0

 $I_{\lambda} = 2A$



Ans: 11.2 1





Calulate Vas 62 33-6 Ix-2 Ix-3 Ix=0 33V (±)3I_X $I_x = 3 Arp.$ Vab = 2x3+3x3=6+9

Vas = 15V