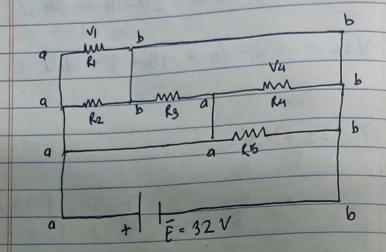


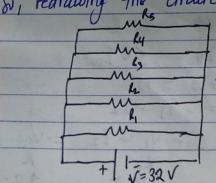
(Num·No29): Detamine R, , V, 4 V4.



Here, $R_1 = 16 \Omega$ $R_2 = 8 \Omega$ $R_3 = 4 \Omega$ $R_4 = 32 \Omega$ $R_5 = 16 \Omega$

and from figure, we can see, have common terminal.

&, redrawing the circuit,



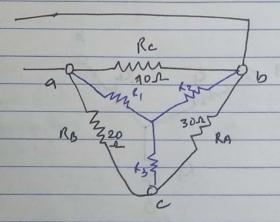
$$\frac{1}{R_{T}} = \frac{1}{R_{1}} + \frac{1}{R_{2}} + \frac{1}{R_{3}} + \frac{1}{R_{4}} + \frac{1}{R_{5}}$$

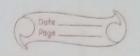
$$\frac{1}{R_T} = \frac{1}{16} + \frac{1}{8} + \frac{1}{4} + \frac{1}{32} + \frac{1}{16}$$

on
$$\frac{1}{R_T} = \frac{17}{32}$$
 .! $R_T = 1.88 \ \mathcal{L}$.

Thus, since the resistors are in parallel,
$$V_1 = V_4 = C = 32 V$$

(Num. No. 30): Convert the 1 into the Y.





Qiver, RA = 30 S RB = 20 S RC = 10 S.

Nous

 $R_1 = R_B R_C = \frac{20 \times 10}{30 + 20 + 10} = \frac{3.33 \Omega}{30 + 20 + 10}$

R2 = RA RC = 30×10 = 5.2 RA+RB+RC = 30+20+10

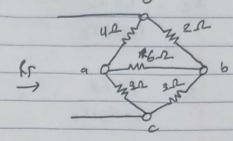
R3 = RARB = 30×20 = 10-12.

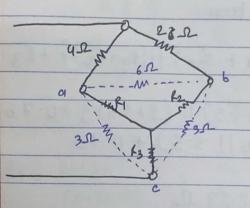
RA+RB+RC = 30+20+10

(Num. No.317: For the network, find the total revisionce.

80/2,

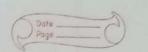
Here,
redrawing fr
the given ->
circuit,





Here, $Rc = 6 \Omega$ $Ra = 4 \Omega$ $Ra = 4 \Omega$ $Ra = 3 \Omega$ $Ra = 3 \Omega$

80,



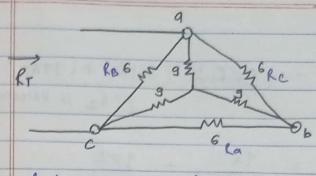
$$R_1 = R_B R_C = 3 \times 6 = 1.5 \Omega$$
 $R_1 = R_B R_C = 3 + 6 + 3$

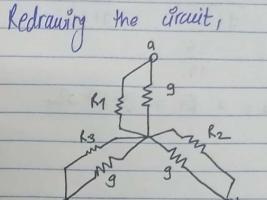
$$Re = RARC = 3 \times 6 = 1.5 \Omega$$
 $RA+RB+RC = 3+6+3$

$$= (4+1.5) 11 (2+1.5) 3 + 0.75$$

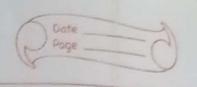
$$= (5.5 11 3.5) + 0.75$$

\[
\text{Num.No.327: Find the total resistance}
\]
of the network.
\[
\text{80|\text{97}}
\]





$$R_3 = RARB = 36 = 252$$
 $RA+RB+AC = 18$



Here 1

$$R_{0-c} = \frac{(g+R_1)}{(g+R_3)} + \frac{(g+R_3)}{(g+R_2)}$$

$$C: R_2 \text{ is external path}$$

$$=$$
 $9x2 + $9x2$
 $9+2$ $9+2$$