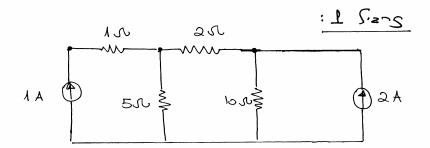
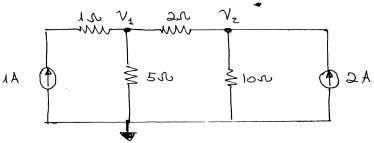
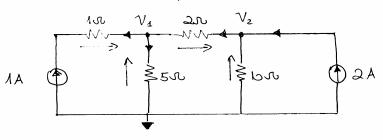
1. 25.5 5-0.015 7.51 N55.6 1.55.6



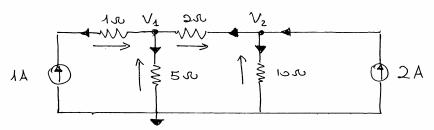
: p'5 2 - 15cn + 0/2" SNB /10.0 : 10 26



:0/4" + nup | 102 n = 2, us : , s sg



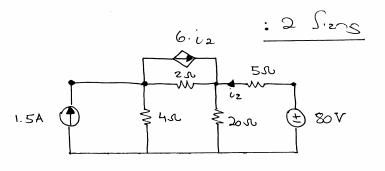
-2 mg m 2 mg 2 2 f KCT fig. 2 : , 5 2 ge . 5



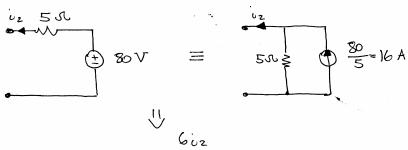
$$kcl \otimes v_{1}: \frac{v_{2}-v_{1}}{2} = \frac{v_{1}}{5} - 1$$

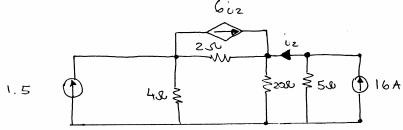
$$k \in \mathbb{Q} \otimes V_2$$
:
$$2 = \frac{V_2}{10} + \frac{V_2 - V_1}{2}$$

300 p 2 (200) 800 con co 300 p 2 (200) 800 con co 300 p 2 (200) 800 con co 1,020 : 10 290



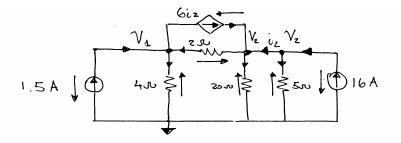
:(/1,26,5 -08/2,1,6 ~ 2,02); L3 602 yldnz v2nu yldn ~ 20,00 :/6 6v3





6,23 ,720n + 0/4, 2n13 UUS7





$$V_{1}, V_{2} = \frac{500}{5} \text{ Jules} \quad 02 = \frac{500}{5} \quad 100$$

$$16 = \frac{V_{2}}{5} + 02$$

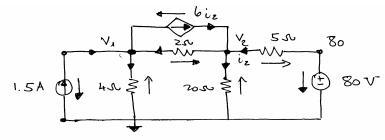
$$02 = 16 - \frac{V_{2}}{5} \quad (1)$$

$$1.5 + \frac{V_2 - V_A}{2} = 6.02 + \frac{V_A}{4}$$
 (2)

$$kcl@V_2: Gi_2 + i_2 = \frac{V_2}{20} + \frac{V_2 - Y_1}{2}$$
 (3)

1521 E NOINIE 8-E CHEN 3

7,4/6ns Zun 20 1522 45 2:5020 75 4202 12.7 : Juli

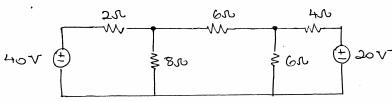


$$kcl@V_{1}: 1.5 + \frac{V_{e}-V_{1}}{2} = \frac{V_{1}}{4} + 6iz$$

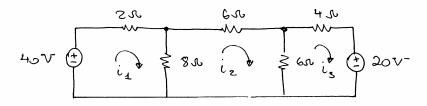
$$kcl@V_{2}: 6iz + iz = \frac{V_{e}}{20} + \frac{V_{2}-V_{1}}{2}$$

$$V_{1}, V_{2} = \frac{50 - V_{2}}{5} = 16 - \frac{V_{2}}{5}$$

DISID TNUP



فروعان عمام عداده العام :



C,111 OC,12

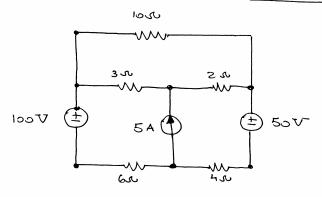
: 21 6 & KVZ y3:= : '2 = Se

KV1@ 15,000: -40 + 211 + 8.(4-12) =0

kV1 @ -3200 : -8(i1-i2)+6i2+6(i2-is)=0

KVL@ 1500 : - 6(12-13) + 413 + 20 = 0

: 4 Siens



12+16

$$kVL \otimes \frac{1}{1500}$$
: $-V + 2(i_2 - i_3) - 50 - 4i_3 = 0$ (2)

$$kyle_{1}^{2}R: -10i_{2} - 2(i_{2}-i_{3}) - 3(i_{2}-i_{4}) = 0$$
 (3)

$$n^{1}$$
 n^{2} n^{3} n^{2} n^{3} n^{2} n^{2} n^{2} n^{3} n^{3