

e3 = 16 V, i0 =
$$\frac{e_1}{2}$$
 · in/willing io , Vo wider, ho, s (4)

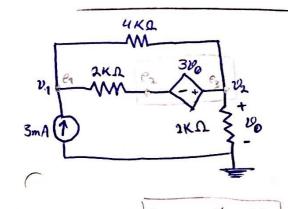
$$(e_2)$$
 $\frac{e_2-e_1}{1} - 2i0 + \frac{e_2-e_3}{2} = 0 = 0 = 0 3e_2 - 4e_1 = 16^{\circ}$

$$= De_1 = \frac{64}{3}$$

$$i_0 = \frac{e_1}{2}$$

$$= Dio = \frac{32}{3}$$

$$|e_2 = \frac{304}{9} = V_0|$$



$$(e_1)$$
 -3 m A + $\frac{e_1 - e_2}{2 \times 10^3}$ + $\frac{e_1 - e_3}{4 \times 10^5}$ = 0 = D e_1 + e_3 = 4

$$\frac{e_{29}e_{5}}{e_{29}e_{5}}$$
 $\frac{e_{2}-e_{1}}{2\times10^{3}} + \frac{e_{3}-e_{1}}{1\times10^{3}} + \frac{e_{2}}{10^{3}} = 0 = 0$ = 3 = 3e1

$$=1>e_1=1=V_1$$
, $e_3=3=V_2$

$$e_{1} = 200^{\circ}$$
 $e_{1} - e_{2} = 400^{\circ}$
 $e_{3} - e_{3} = 4 v_{20}^{\circ} = 62 - e_{3} = 4 (e_{3} - e_{4})$
 $e_{3} - e_{11} = v_{20}^{\circ} = 668 - 562 = 200^{\circ}$

$$\frac{e_{1}e_{2}e_{3}}{o_{5}e_{1}}$$
 $\frac{e_{1}}{40} + 4 - 6 + \frac{e_{2}}{50} + 8 + \frac{e_{3}-e_{4}}{20} = 0 = 0$ $5e_{1} + 4e_{2} + 10e_{3} = 800$