6AM 5VE -6+ Va-Ve + Va-V6 Dugan 6 V6-Va + V6-Vc + V6-5 = 0 Vc-Va + Vc-Vb + Ve = 0 -6 + Var - Vc + 2Var - 2Vb = 03Va-2Vb-Vc-6 2N6-2Va+3Vo-3Ve+4V6-20=0 -2Va+9Vb-3Vc=20 Ve-Va+3Ve-3Vb+7Ve=0 - Va - 3 Vb + 11 Ve = 0 Va = (10c-3V6) 3.(11Uc-3Ub)-2Ub-Vc=6 33Vc-9V6-2V6-Vc=6 32 Vc - MV6 = 6 - - - (1) -2(110c-3Vb)+9Vb-3Vc=20 - 22Vc+6Vb+9Vb-3Vc=20

 $15/32V_{c}-11V_{b}=6$   $11/-25V_{c}+15V_{b}=20$ 480 Vc - 165 Vb = 30 -275 Vc + 168 Vb = 220 205 Vc = 310 (7-2 Uc= 1.51V Ub = 3,85V Va = 5,06VDeusey: dy sin analyz: yontem: Me KULUVUS ! materiative modelini -(-8)+(Va-Vc)4+(Va-Vb)3-(-3)=08 + 4Va-4Vc + 3Va - 3V6 + 3 = 0 7 Va - 3 V6 - 4 Ve = -11  $-3 + (V_b - V_a) 3 + V_b + (V_b - V_c) 7 = 0$ 3Vb-3Va+Vb+7Vb-7Vc=3 -3Va+11V6-7Vc=3  $-25 + (V_c - V_a) 4 + (V_c - V_b) 7 + 5V_c = 0$ 4Uc-4Ua+7Uc-7Ub+5Uc=25 -4Va-7V6+16Vc=25

Kultahya Da**mlupnar Universit**asi Auhandistik Fakültesi-**filgisa**yar Mühandisiigi Balimm

06-00 \$2-00-50-14 20V (#) \$20 \$10 (#) 81

 $\frac{v_{1}-20+v_{1}+v_{1}-v_{2}=0}{2}$ 

Dajan 2

$$\frac{\sqrt{2}-\sqrt{1}}{5}+\frac{\sqrt{2}}{10}+\frac{\sqrt{2}-860}{2}=0$$

$$\frac{V_1 - V_2}{5} = \frac{1}{5}$$

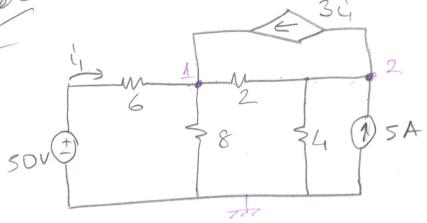
$$-2U_1+8V_2-8U_1+8V_2=0$$

1 y 1 1 de germe leggerson

$$15V_1 - 4V_2 = 200$$
 ,  $V_1 = 1,6V_2$ 

$$\rightarrow$$
 24 $V_2 - 4V_2 = 200$ 

$$\frac{1}{6} = \frac{1}{5} = \frac{16-10}{5}$$



$$\frac{V_{1}-50}{6}+\frac{V_{1}}{8}+\frac{V_{1}-V_{2}}{2}-3\dot{i}_{1}=0$$

$$4V_1 - 200 + 3V_1 + 12V_1 - 12V_2 = 72U_1$$

$$18V_1 - 12V_2 - 7/2 \cdot \left(\frac{50 - V_1}{6}\right) = 200$$

$$3i_{1}-5+\frac{1}{4}+\frac{1}{2}-\frac{1}{2}=0$$
 $12i_{1}-20+\frac{1}{2}+\frac{1}{2}\frac{1}{2}=0$ 

$$212(50-U_1)+3U_2-2U_1=20$$

$$-) 100 - 20, +302 - 20, = 20$$

$$-4/40, -302 = 80$$

$$-4/40, -302 = 80$$

$$-1/310, -1202 = 800$$

$$\frac{310,-1202-320}{310,-1202=800}$$

$$\frac{310,-1202=800}{150,-1202=800}$$

U, = 32U

$$4V_1 - 3V_2 = 80$$
  
 $4.32 - 3V_2 = 80$   
 $3V_2 = 48$   
 $V_2 = 16V$ 

$$L_{1} = 50 - V_{1}$$

$$= 50 - 32$$

$$= 6$$

7->

$$\frac{V_2-V_1}{10}+\frac{V_2}{50}-5=0$$

$$5U_2 - 500 + V_2 = 250$$

V2 = 125 V