Ismail Keyvon 201913171030 Bilgi Sayor Mchendisligi Deure Deori leri Vize Ödevi Soru I) 1, Vo = ? Bed = (1 + 1) = 15 sh 80.2 \$ 20 si) - Vo (Porolellik) -20+501+2di=0 $\left(\frac{1}{80} + \frac{7}{20}\right) = \left(\frac{5}{90}\right) = \frac{80}{90} = 16 \Omega$ (40 40) = 20 A 1 Vo = 50(0,2) = 10V

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Vo= 0 Son 2) -2 + (Va - (2 va + Ub)) + Va + Va - Vc = Va + Vo-Uc + Va -2Vo-Ub = 2 Vc = 13 V 2 Va + Va - 13 + 2Va - 4 Vo - 2Vb = 4 Dojum b Vb-(-2V0+Va) + Vb-Vc + Vb=0 15 Va - 2 Vb - 4 Vo = 77) Vb+2Vo-Vq+Ub-Vc+Ub=0(8) Vo=41 Vb=1 (8) Vo=4Ub=Vb gerneyogalin. 8Vb+16V0-8V9+V6-Vc+2Vb=0 Most b bours 2 yearse yaraling. 111Vb -8Va +16Va=131 2716-810=13 15 -6 Vb +5 Va = 17 18 1350b-40Va = 63 1-48Vb + 60Vo = 136 [Vo=2,3]V 871b = 201 Ub = 2,31 U = Vo Vb = 201

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12.5A 500 3) + 1, 8,0-Vozn Daguma 125 I) 50U $\frac{V_{0}-100+V_{0}-V_{b}=-12,5}{2}$ 100V (+ 2Va - 200 + Va - Vb = -2311111 Dugum b 13 Va-Vb = 1751 $\frac{1}{4} \frac{Vb}{(2)} + \frac{Vb-Vc}{8} = 12.5$ UC = - 504 4Vb-4Va +2Vb +Vb -Uc = 12,5(8) = 100 7 / b - 4 / a = 50) V.b-0 - i Vo = 4 i 3 Va - Vb = 175 14 Vo24 Vb = Vb -4 Va + 7 V b= 30 / 3 | Vb = Vb = 30 V | 12 Va - 6 Vb = 700 -12Va +21Vb= 150 1716=850 3 / 2 - 1 = 1 = 1 = 5 Vb= 501 300 = 225 Va = 75 V