a

4.00 5.5 5.50 PLOS

252 Souline 1033 520 150 100 100 100

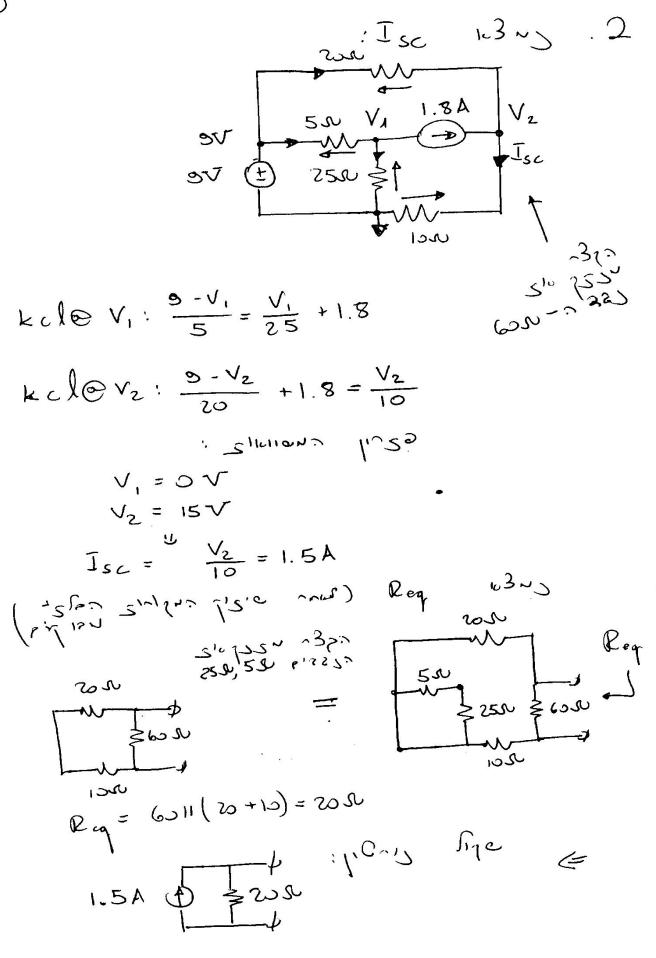
 $V_1 = 80 \cdot \frac{30}{30+10} = 60[V]$

: 10 c sh25 > 1325 2.5 N Req.

Reg = 2.5 + 10 1130 = 10 sc

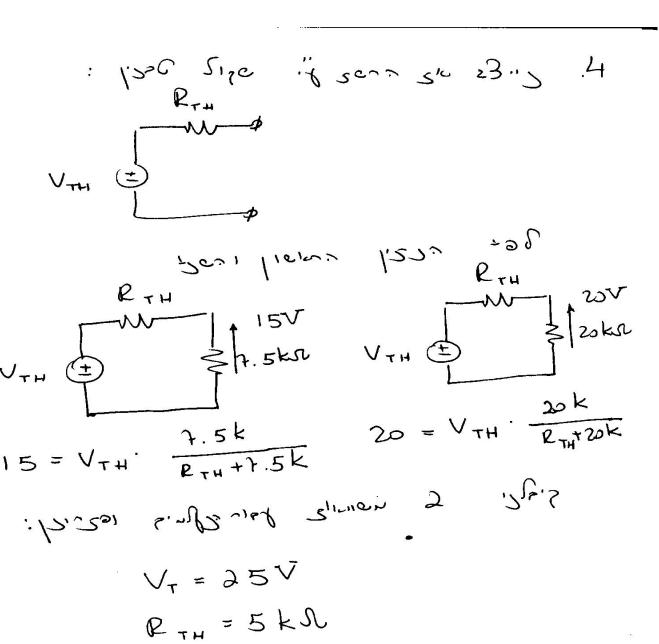
60 V (±)

120 Dec



1615 2165725 sonn 2016 2165725 sonn : Ula 21 $\frac{V_{L}}{5k} = \frac{500 \cdot 10}{100 \cdot 100} = \frac{1}{100}$ $\frac{V_{L}}{5k} = \frac{500 \cdot 10}{100} = \frac{1}{100}$ $\frac{V_{L}}{5k} = \frac{1}{100} = \frac{1}{100} = \frac{1}{100}$ $\frac{V_{L}}{5k} = \frac{1}{100} = \frac{1}{100$ $kclev_1: \frac{1 - (V_1 + 300k \cdot \frac{V_2}{20k})}{10k} = \frac{V_1}{50k} + \frac{V_1 - V_2}{50k}$ (is = sok) kclevz: $\frac{V_1 - V_2}{5K} = \frac{V_2}{20K} + \frac{V_2}{2K}$: 25 Kins 1,200 $I_T = I_1 + I_2 = \frac{1 - V_1 - 15V_2}{10 \text{ k}} + \frac{1}{40 \text{ k}} =$ $= 5.10^{-5} [A]$ Reg = VT = 20KN : Voc= Isc = 0 (100) 100 512/12 1100 11100 ورمك 20 ks }





$$\frac{V_1 - V_2}{10}$$

$$K \in \mathbb{R} V_{A} : O = \frac{V_{1}}{40} + \frac{V_{1} - 10\left(\frac{V_{1} - V_{2}}{10}\right)}{5} + \frac{V_{1} - V_{2}}{10}$$

$$KCLQV_2: \frac{1-V_2}{20} + \frac{V_1-V_2}{10} = \frac{V_2}{50}$$

$$\sqrt{z} = 0.2\sqrt{1 - 0.2} = 0.04 \text{ [A]}$$

$$R_{TH} = \frac{V_T}{J_T} = \frac{1}{0.04} = 250$$

23.23n bluign 5/20 10.6 37 5.Bn (= $i_{L} = \frac{36}{2 + 4 + 6 + 8} = 1.8[A]$ 1, (3-) = 1.8[A]

: (mc p'225 n12'01) 215'un mkd .2

5 nH

 $kvl: \frac{10i_{L} + 0.005i_{L} = 0}{V_{L}}$ $\frac{10i_{L} + 2000i_{L} = 0}{V_{L}}$

$$\begin{cases} i_{L} + 2000 i_{L} = 0 \\ i_{L}(0^{\dagger}) = i_{L}(0^{-}) = 1.8 \end{cases}$$

EUB EN 1912 721HEU ,0,5 , 0.48 123

in (0) = Ae - 2000.0 = 1.8

in (0) = Ae - 2000.0 = 1.8

 $V_c = 40. \frac{10.2}{10.211.8} = 34 \text{ V}$

 $\frac{5}{17} \sqrt{1}$ $\frac{7}{17} \sqrt{1$

$$\begin{cases} \dot{V}_{c} + 50V_{c} = 0 \\ V_{c}(0^{+}) = V_{c}(0^{-}) = 34V \end{cases}$$