## Digot Gozante Soular.

23.25

M. Kursad UGAR

DI digods ideal iker, silisyum iker we pernagun digot then Vo =?

Aku Jerreder akar. Dript PletAndedir.

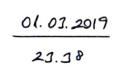
Vo= VD olar

Digot Skindon

XX =0 Topropa Lapter olders - Dondon sonis digot akulari hesploner. (IDI, II, ve Taz)

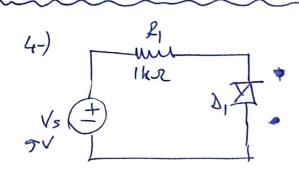
$$\frac{I_{21}}{R_1} = \frac{V_X - (40)}{R_1} = 2MA$$

$$\frac{I_{D1}}{R_1} = \frac{I_{R1} - I_{D2}}{R_1} (Krebell komms)$$



I, I A S V,

Dernah derklendi gikarinz.

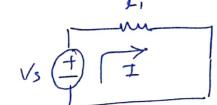


Digot Dzersider geser akilu

- Drypt idealder.

Edepe model

- Ex deper derre 912:11. ( 7an digotter iletande trabal editop derre akunter beleave.)





significant bu selecte ike okin dingoto tes bulunusaha Du glizden okin aknaz. Is = DA

6-)

RI=1,5K

DI

RZ

IND

LINE

LEF DEPORT DENTE

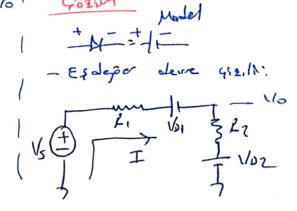
10V

DE FORM

LINE

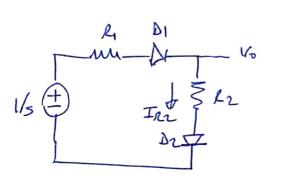
L Vo = ?

Digotlar solisyunder.



$$I = \frac{\sqrt{5 - \sqrt{01 - \sqrt{02}}}}{2 + 2} = \frac{10 - 0.7 - 0.7}{1.5 + 1.8} = \frac{8.6}{3.3} = \frac{2.60 \text{ mA}}{3.3}$$

7-)



$$R_1 = 5K$$
 $R_2 = 40K$ 
 $R_2 = 2 MA$ 
 $V_{01} = V_{01} = 0,7V$  (5.13ym)

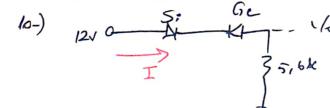
 $V_0 = ? V_{01} = ?$ 

Gozan

$$V_0 = I_{R2}. L_1 + V_{D1} = 2 \times 10 + 0,7 = 20,7V$$
  
 $V_P = I_{R2}. L_1 + V_{D1} + V_0 = 2 \times 5 + 0,7 + 20,7 = 31,4V$ 

$$I = \frac{\sqrt{9} - \sqrt{21} - \sqrt{21}}{2} = \frac{12 - 0,7 - 0,3}{5,6} = \frac{1,964}{5}$$

Voli bulenuz



Gozan

Ge dipt pession kayragina tes baptardis, in akin aknat I= 0A Vo= I. 2=04

$$V_{,0} = \frac{1}{1} \frac{V_{01}}{V_{01}} = \frac{10 - 0.7}{4.6 + 4.1} = \frac{9.3}{6.8} = 1.26 \text{ ms}$$

I, VI, VZ, Vol bulenoz

$$V_{1} = I Z_{1} = 1,36 \times 4,6 = 6,29 \text{ V}$$

$$V_{2} = I. Z_{2} = 1,36 \times 2,2 = 2,392 \text{ V}$$

$$V_{3} = V_{4} = 2,992 \text{ V}$$

2011 \_\_\_\_ AV - Akin 20'der 41's dopm plate. De yorder Ge dryods ozersder okun gegrez. Tom akus 5: dryot Dzernder geger.

$$E_1 = I.R + V_{0S} + E_2$$
  $I = \frac{E_1 - E_2 - V_{0S}}{R} = \frac{20 - 4 - 0.7}{2.2} = 6.95 \text{ md}$ 

VP= -16v iken

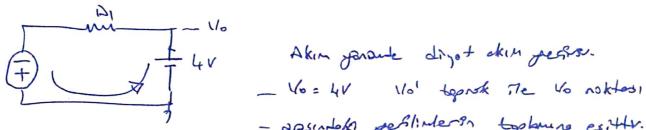
Vo = ?

Digot : Lealder.

Gozan

VP book then es deper devens grachen





- apsindoks gestinderen toplane egittv.

14-) -5V - K/ 1- Vo

I re Vo 1, buhwa

- Akin boyck perPlinder korak perPline dapor akor. O'dar -5'e akin ako. Du yazden digot iletindedir.

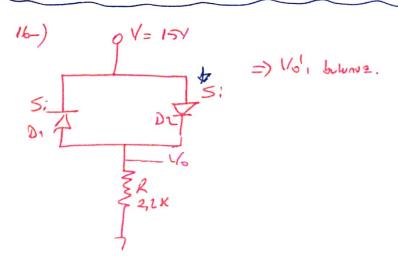
$$V_{1} = I.R + VD_{1} + V_{2}$$

$$I = \frac{V_{1} - VD_{1} - V_{2}}{R} = \frac{20 - 0.7 - (-10)}{6.8}$$

02.02.19

00.27

$$P = \frac{29,3}{6,8} = 4,30 \text{ m}$$



Gozan

alken 15 v da 0'e degne aker. De yarden Di dipode kespudeder. Galunoz \$ + model

$$V_{02} = V_{02} = V$$

1/0 = V-1/01 = 15-0,7 = 14,34