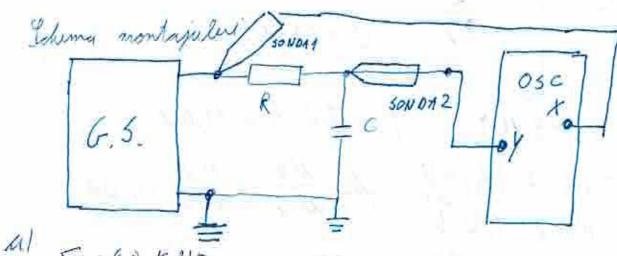
Circuit linears RC Truck Jas LABA



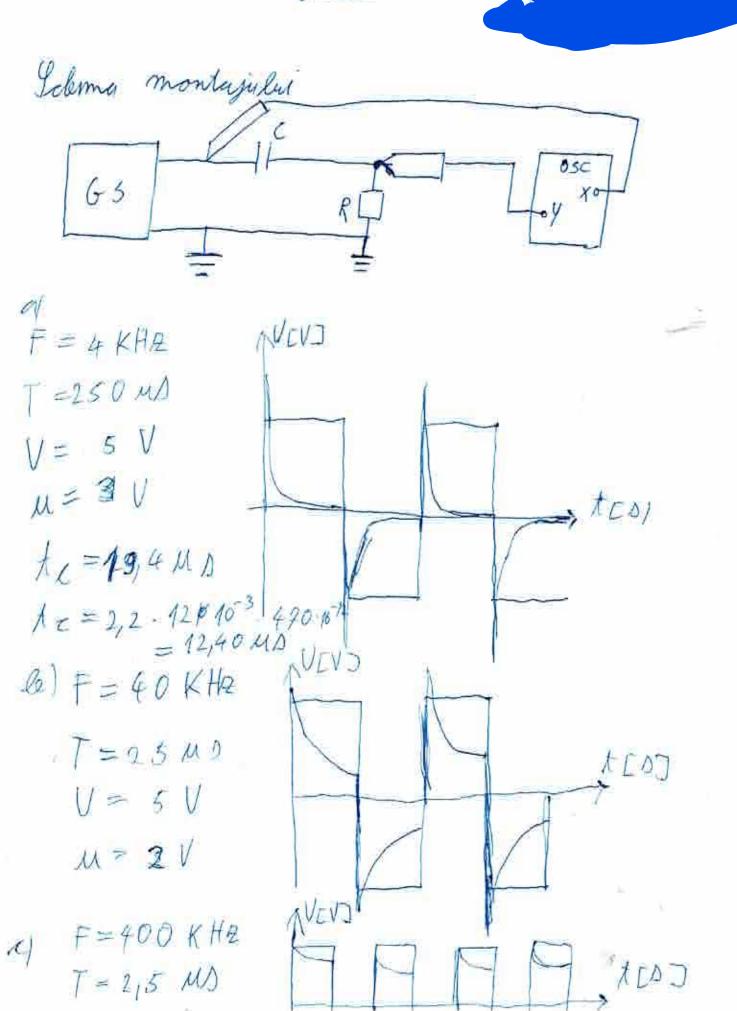
$$A = \frac{216}{2} = \frac{02}{1}$$

$$y = \frac{5}{T} \cdot 360^{\circ} = \frac{3.360^{\circ}}{25} = 43,2^{\circ}$$

$$A = \frac{Ve}{V_{\perp}} = \frac{4,6}{4,4} = 304$$

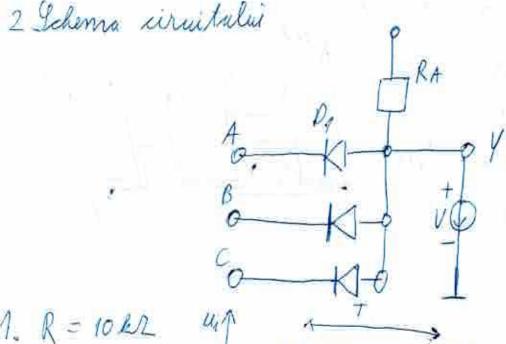
$$\Psi^0 = \frac{4 \cdot 360^\circ}{7} - \frac{0.5 \cdot 360}{22.3} - 8^0$$

Circuito liniare RC Trea-SUS LAB2



CIRCUITE LOGICE CUDIODE POARTASI LABB

19 capul Lucrario -Je ver studia circuitele logici ai diodo semiconductouro in regim static si clinamic



(= 1,5 mF

 $C = 16 \cdot 10^{-9} F$ $R = 10 \cdot 10^{3} D$

T = 5:5 = 25 MD

X1 = 2.5 = 10 M

$$u_1$$
 $n+0$
 t
 t

Balcul TR = R. C. ln 2 = 1,5.10 -9 10 10 ln 2= = 1,03.10

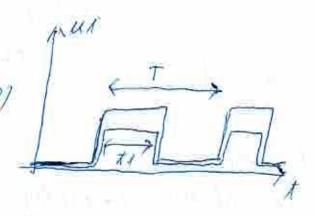
Tc = 0

Jy = 0/5 . 5 = 2/3 40 (masurant)

2. R = 10 KD $C = 470 \cdot 10^{-11} \text{ F}$ C = 470 F $R = 10^4 \text{ D}$

$$T = 5.5 = 25 MD$$

 $ti = 2.5 = 10 MD$
 $T_1 = 49.10^{-9} ln 2 = 32,9MD (calcul)$
 $T_2 = 91.5 = 95 MD$
 $T_1 = 0,4.5 = 2 MD (maisula)$



3.
$$R = 10 \text{ KD}$$
 $C = 220 \text{ p}$ F

$$R = 10^4 \text{ D}$$
 $C = 22 \cdot 10^{-11} \text{ F}$

$$T = 5 \cdot 5 = 25 M D$$

$$T_{i} = 2 \cdot 5 = 10 M D$$

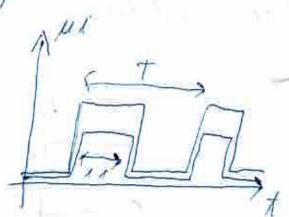
$$T_{n} = 22 \cdot 10^{-7} \text{ in } 2 = 15, 4 \cdot 10^{-7} MD$$

$$T_{c} = 0, 4 \cdot 5 = 2 M D$$

The state of the s

$$T_{X} = 0.4 \quad 5 = 2 \text{ MB}$$

 $T_{A} = 0.6 \quad 5 = 3 \text{ MD}$



POARTA SAU

1 Sepul Justatrii
Var fi studiat circuitele logies en diada semi condutaire al resistante atat in region static and si in region dinamic
2. Consideratio teareties

2. 1 Functionales parties AV

VISA

DI

Ba

DI

C

THO

& ruga

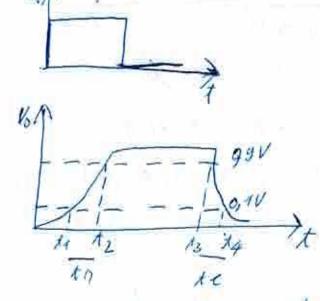
Vo indeplinites condules

Vo Vi >Vo

2.3. Analiza regimula dinami e

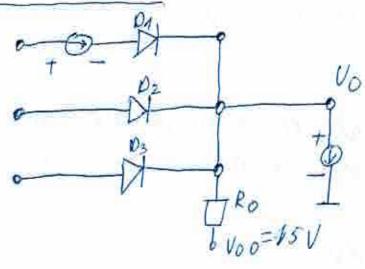
Bo H G Tras I

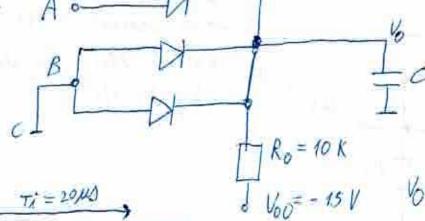
Ro Tras I

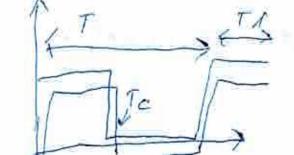


Regimal dinumice al unei porti 5 A V est caracterizat

3. Mersul lucrarii









Everaltristici dinamice ale Asunzistourdes Bijoloro

1 Yeard Review Reprimental variation timpelos de comulas

les transistantele leifolari functio de curentul de bases

trans de si se determine defendanta acestas timpi, de curentul

de lucia direct si invers

2. Cursi deratai teoretique

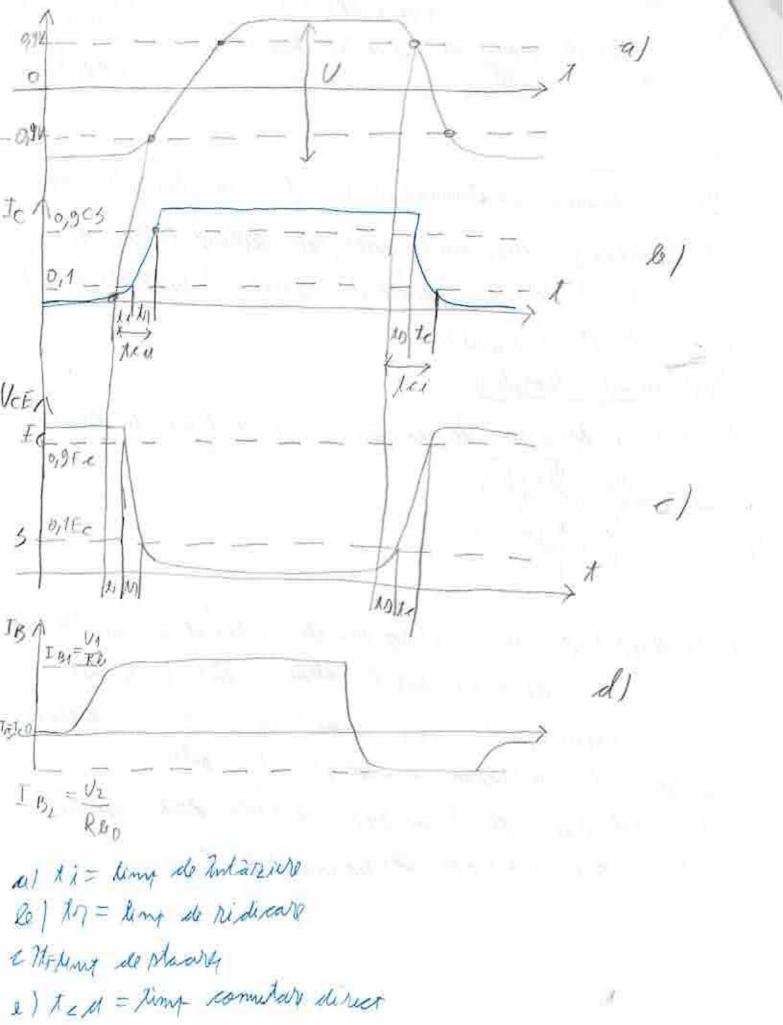
2. 1 Definirea timpilos de cambore ai unas transistas leigolas

to, For RC L TC

VEF

UCF

De De analisede um montors simply revised on un transistor an in figure de mai sus le intraleu varius so aplica un semnal impuls, astlel also invat sa determine regional als lades al tr. in states blacest, respective satural Partru acest region de fundament à cele dour regions De vardiminissions corespons ator resistent de RB.



12 to 1 - Non do enmandere in to

TEC-5V

2,251	0.15	130	10,2	160	1125	133	1300	
		3,4	0,3	45	1 10	40	325	, illi
			1	1		1	350	
		4,9	0,6	25	20	60	380	
	-			-		65		
		6,7	1,0	15	55	901	925	

LUCRAREAG Eisenite logice au disolo DI transistative Boarte 51-1VV au deplusare de nivel prin rezistante

1 Ye va realiza un circuet 31-NV cu conceptio discutar cu deplusare de nivul prin resistante. Pe sire realiza Al von masula parametro Malia si dinamice ai acestica

2 Considerate leoratico

2 1 Functionarea routu

R 1 5,1K

My Maria 1

F = ABC

2.4 Dimensionarea capacitate de accelerars $C_{A1} = \frac{I_{BD}}{V_{C}} \frac{t db}{V_{C}} \qquad C_{A2} = \frac{F_{BI}}{V_{C}} \frac{t db}{V_{C}}$ $C_{A} = \max\{C_{A1}, C_{A2}\}$

Mersul lucrure T= 10 Mg VIN 0,94 - U=Vcc TE=5MS 611 Ve V=Vcc 10,90 gIV 1.601 tdo ting delesonare ting blacaro UD 241 RB1 Res 5,15 UN 32,35 MD 14,14 40 Rez 620 20 RE3 17,85 MD 1599 10 RC1 14,98 W RAI RBZ 24,93 40 7,46 MD MD RCZ 50 5,10 310 25,07 MD Rc3 RAARBS 240 20 Rel 19/34 41 430 mg Rez BA, 24 261 0 36 70 RC3 RAI RBA 112 110 28,72 ms Re1 Rez 10 ; 65 W 60 no RC3/10, 65 MS 180 20 Rez. RBA Ru 10 des 230 no 10 W 240 Rc3 44 W 14 0 m) 44 (12 RBZ RC1 w ns 140 Rez 50 W 160 ms Rez 200m1 40 MD

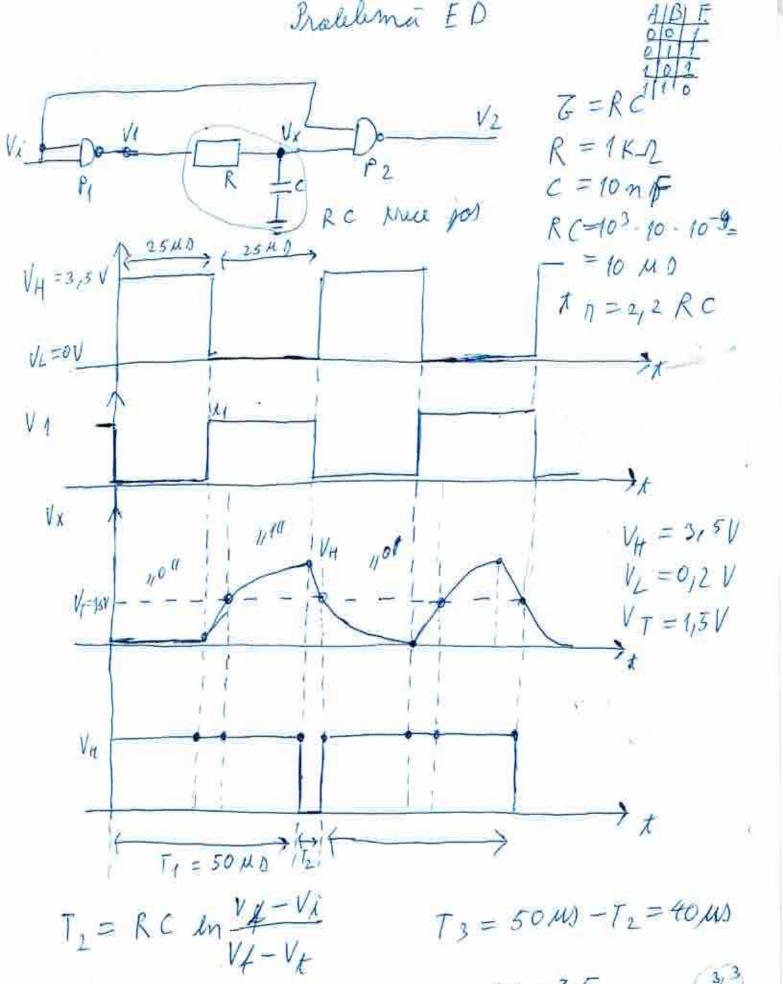
12_	RB;	1 RC1	50 W	175 ms
		Rc2	45 W	200 m
1		RC3	55 W	230 mg
	RB4		A	2 30 m
		Rc2	15 / KO	2 30 70
	-	Rc3	5 pus	2 40 ms
RAS	R81	Rc1	50 KB	3 0 ms
4			50 MS	96 ms
		Re3	50 MS	15 0 m
	RB2	Rel	40 as	120 m
R. Prince		Rc2	4 0 MB	190 ms
73)		RC3	5 2 MS	130 m
	RB3	RCI	53 m	220 m
			55 M	2 3 0 00
		Rcz	50 MM	2 5 0 m
	RB4		60 mg	240 m
		RCZ	20 m	240 m
		RC3	3 MD	240 ms
			4	

Einewite logia sy diocle si tronzistori Fourte 51-NV on deplasare de nivel prin disole

1. Scopel luctures Te ver realize un sircuis 31-NO au abach of transistore as deflusive de nivel prin diade. Le nos masure Continure, palametri statici si dinamia ai cipartelli realizat. 2. Carridoratio tearetia Em liques winas town este reprezentation o joutto 51-NO as disco 2.1 Tundinarea jordin Al transistative fundionava forte est descrisa schematic a tubelul de adevis 0,95 0,95 1/2,25/975/0 Dimensionedella circuitales De face pe stable Mersul harring 0,00 V= Vcc

V= Vcc 18 le = 50 ms

tale = 300 m



 $T_2 = R C \ln \frac{V_L - V_H}{V_U - V_H} = 10 \text{ ms. In } \frac{0.2 - 3.5}{0.2 - 1.5} = 10 \text{ ms. In } \frac{3.3}{1.3}$

