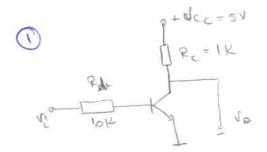
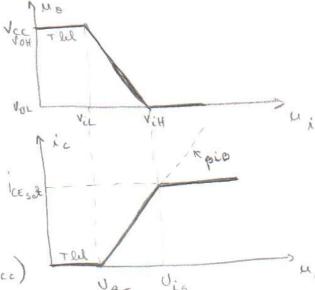
## Pregative examen



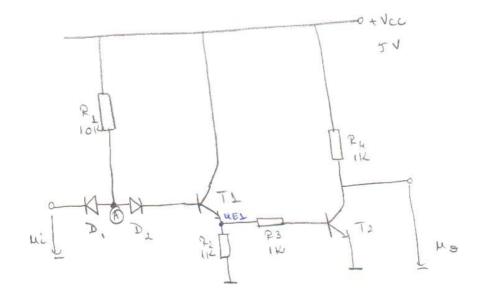


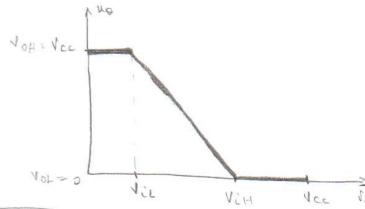


Teste in RAM pl. UBELUE LUis

Ph 
$$\mu_i > U_{is}$$
,  $\tau$  este solural,  $\mu_0 = 0$ ,  $ic = \frac{V_{cc}}{R_c} = icasat$ 

If 
$$u_i = V_{is}$$
,  $T$  est la saturation imagnimata
$$i_B = \frac{i_C}{B} = \frac{i_{Cs}}{B} = \frac{V_{CC}}{BR_C} = i_{BS}$$





D, des drisa => 4 = 4 =>

· pt [u; L Vil] over:

To blocat = 40 = Vcc

. pt (wi = Vil) asum:

T2 21 dusdride (=) MB2=UBE0

· pt [ui = Vcc]:

D, blocato, T, T, deschusi T, im RAH (pt co uc, = Vcc>UE,)

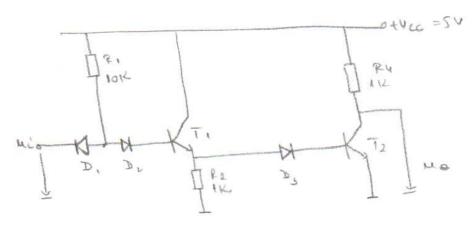
18, = VCC - UBE - UD - UEI (1)

$$i_{E_1} = \frac{\mu_{E_1}}{R_2} + \frac{\mu_{E_1} - U_{BE}}{R_3}$$
 (2)

To la soturalie incipientà

D, dischisé

3



· Mi =0 asem.

D, deschiso => MA = M3

· [ui c Vil) oven: Te block.

· lui ± Viil avem;

To de deschide (simultam au diodo Do)

\* ( Wi = V ca ) over :

D, Och, Dz, Ds, T, T, derdvise

T, En PAH (MUR) WEL)

iB, = VCC-2UBE2UD = 0,18 mA.

ipa = ie, - ipa = pia, - Mag+UBEz = 4,4 mA

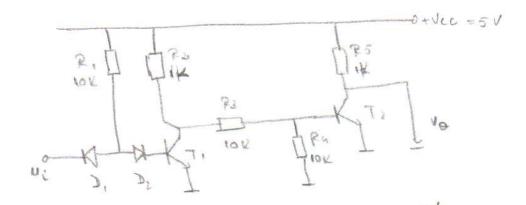
ib, > ib, si = VCC => T, Not => (40=0= VOL



7, salurat, 2, blocato.

D, se deschide/blochede

3



: melo [0= ju] 0

D, disdrise > > lelocate, T, belocat To disdris.

iB2= iR3-iR4 = VCC-VBE - VBE =0,3mA> >165, 2 Vic 20,1 mA => T2 este satural => (10 = 0 = Vol



To solund , T, Wood

· [4: 2 Vil aven T, la saluali incipiento 2=) ib2 = 16,5: D, De durchise, T, in RAH.

one perturn calcule is\_(ui)

$$i_{\beta_1} = \frac{V_{cc} - U_{\beta} - U_{\beta \delta}}{P_i} = \frac{V_{cc}}{P_i} = \frac{V_{cc}}{P_i} = \frac{V_{cc}}{P_i} = \frac{V_{cc}}{P_i}$$

$$|cc| = \frac{\sqrt{cc - \sqrt{B}}}{\sqrt{c}} + \frac{\sqrt{cc - \sqrt{B}c}}{\sqrt{c}} + \frac{\sqrt{cc}}{\sqrt{c}}$$

$$i_{R_1}$$

$$i_{R_2}$$

$$i_{R_3}$$

$$i_{R_4}$$

$$i_{R_4}$$

$$i_{R_4}$$

$$i_{R_5}$$

$$i_{R_4}$$

