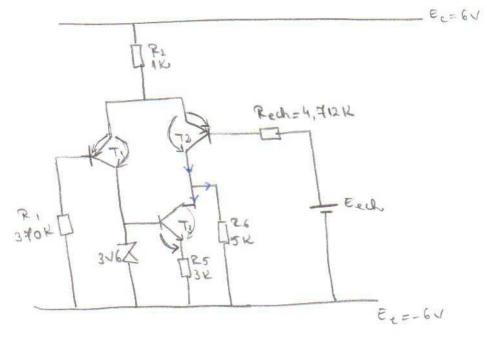


$$Rech = \frac{R_u R_3}{R_u + R_3} = \frac{12.4 \cdot 4.6}{2610} = \frac{62.46}{1000} = 4.412 \times \frac{12.4}{100} = \frac{6.124}{100} = 4.44 \times \frac{12.4}{100} = \frac{6.124}{100} = 4.44 \times \frac{12.4}{100} = \frac{6.124}{100} = 4.44 \times \frac{12.4}{100} = \frac{6.124}{100} = \frac{12.4}{100} = \frac{12.4$$



ic! | Ec-Ee= R2(ic, +ic) + R; ic, +0,6 12=4,4ic, +ic, +0,6 0,6=3,6-R5ic3 => 3=3ic3=> |ic3=1mn A] Ec-Ee=R2(ic,+ic) +0,6 + Redrict +Ecch =>

Ec-Ee=R2(ic,+ic) +0,6 + Redrict +Ecch =>

11c2 = 2 m A)

 $G_{C} - G_{E} = P_{2}(i_{C_{1}} + i_{C_{2}}) + d_{CE_{1}} + U_{SK} \Rightarrow 1\lambda = 4 + 0_{CE_{1}} + 3,6 \Rightarrow d_{CE_{1}} + 4,$ $G_{C} - G_{E} = P_{2}(i_{C_{1}} + i_{C_{2}}) + d_{CE_{2}} + R_{6}(i_{C_{2}} - i_{C_{3}}) \Rightarrow 1\lambda = 4 + d_{CE_{2}} + 5 \Rightarrow d_{CE_{2}} = 3v$ $G_{C} - G_{E} = P_{2}(i_{C_{1}} + i_{C_{2}}) + d_{CE_{2}} + G_{CE_{3}} + P_{5} \cdot i_{C_{3}} \Rightarrow 1\lambda = 4 + 3 + d_{CE_{3}} + G_{5} \cdot i_{C_{3}} \Rightarrow 1\lambda = 4 + 3 + d_{CE_{3}} + G_{5} \cdot i_{C_{3}} \Rightarrow 1\lambda = 4$

 $\begin{array}{lll}
0 - \varepsilon_{e} = R_{6} \cdot \frac{ic_{3}}{\beta_{0}} + 0\beta = 15 = 4, & ic_{3} + 0, & = 1ic_{3} = 2, & m + 1 \\
ic. & ic. + ic. = ic.
\\
0 = R_{1} \cdot \frac{ic_{1}}{\beta_{0}} + 0, & -0, & = R_{2} \cdot \frac{ic_{2}}{\beta_{0}} = 0 = ic. - ic. = 1ic_{1} = ic.
\\
& ic. + ic. = ic.
\\
0 = R_{1} \cdot \frac{ic.}{\beta_{0}} + 0, & -0, & = R_{2} \cdot \frac{ic.}{\beta_{0}} = 0 = ic. - ic. = 1ic.
\\
& ic. + ic. = ic.
\\
& ic. + ic.
\\
& ic.
\\
& ic. + ic.
\\
& ic. + ic.
\\
& ic.
\\
& ic. + ic.
\\
& ic.
\\
& ic. + ic.
\\
& ic.$

=> $\frac{2i+2i=2}{2i'-4i''=1}$ $\frac{2i'-4i''=1}{6i''=3}$; i''=0.5 tm 4; i'=1.5 cm 4. Ec-Ee= P3:1"+4ce,+ Uce3 => 30 = 10+4ce,+4ce32) Uce,+4ce3=2 Ec-Ee= Pu. 1'+Uce 2 + Uce 3 => 30 = 4,5 + Uce 2 + Uce 3 => Uce 2+Uce 3= 0-E== 2, ic, +0,6+0/ce3 => 15= 1,6+0/ce3 => 10/ce3= 13,4V 10 CE4 = 6,64

P1/3

ic: 0-0=-3,6+0,6+ Rsics => 3= ics => [cs = 3m4]

15-15 = Rsic,+R, ic +9/6-0/6-R, ice - Ruice 0 = 2ic++ ic2 - ic, - 3ic2 => ic, -2ic2=0 => ic,=2ic2 =>31c0 = 3 =>[1c2=1m4] :11c1 2 2m4

Ec-0 = R3ic, +R, icz +0,6+0(E3 + R5ics =) 15 = 4+1+0,6+0(E3 =)

OCE:

Ec-0 = R3ic, + U(E, + U(E3 + R5ics =) 15 = 4+0(E, +6,4+3 =) U(E7 = 1,6)

Ec-0 = R4ic, + U(E2 + U(E3 + R5ics =) 15 = 3+0(E2 + 6,4+3 =) U(E7 = 2,6)

1916

PONTO TO THE TOTAL TOTAL

1140

10-E== Rullertied +0,6+ Ps. ic3 => 15=ic, tic3+0,6+11,4ic3
10: ic1=ic2
14,4=12,4ic3+ic1

0,6= P2. icz 2) 0,6=0,3icz 2) [icz=2m4]
[icz=2m4]; [icz=4m4]

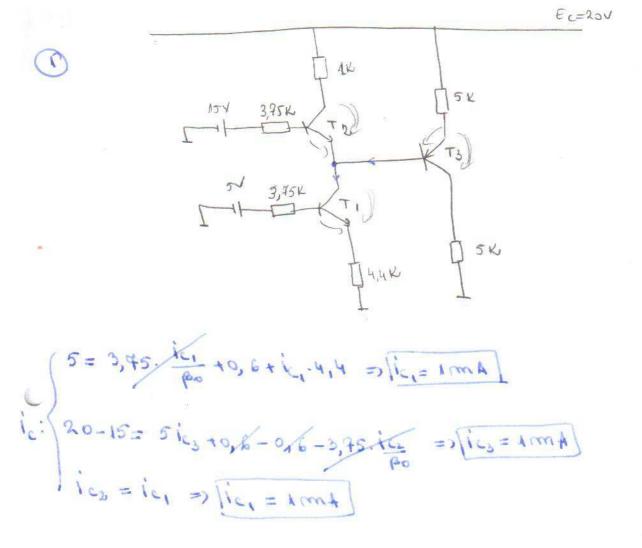
0-E= Rulinties) + UCE3+Reic3 => 15=3+UCE3+7 => [UCE3=5V]

0-E= Rulinties) + R3 k, +0,6+R, in +0CE2 =>

15=3+2+0,6+4+UCE2 => [UCE2=5,4V]

0-E= Rulinties) + R3in+UCE1+UCE2=> 15=3+2+5,4+UCE1

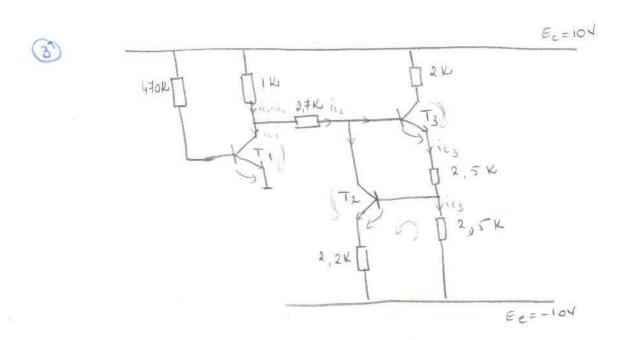
[UCE1=4,6V]



(20-0= 51c3+ Uces+51c5 => 20= 10+ Uces=10V)

UCE: 0= 51c5+0,6-Ucen-1c2=> [Uces=4,6V]

[20=1+4,6+Ucen+4,4=>[Uces=10V]



 $\begin{cases} \mathcal{E}_{C} = 440 \cdot \frac{ic_{1}}{\beta_{0}} + 0, \delta = 1 & \text{if } ic_{1} + 0, \delta = 1 \\ \frac{ic_{1}}{\beta_{0}} = 2, 5ic_{3} - 2, 2ic_{2} \\ 20 = ic_{1} + ic_{2} + 2, 7ic_{2} + 0, \delta + 5ic_{3} = 14, 4 = 3, 4ic_{2} + 5ic_{3} \\ -1, 2 = +4, 4ic_{2} - 5ic_{3} \end{cases}$ $0, 6 = 2, 5ic_{3} - 4, 4 = \sqrt{ic_{3}} = 2 \text{ mid}$ $0, 6 = 2, 5ic_{3} - 4, 4 = \sqrt{ic_{3}} = 2 \text{ mid}$

U(E!) 20 = 4+0(E3 =) (U(E3 = 64) 20 = 4+5,4+4,4+U(E2 => (U(E2 = 6,24)