OSCILATOR RC - refer Wien

Parku aracihal du fg. 1 se euwox: Ven Fig. 1. Ceruit:

a) 987

b) Só a colculare volcorio rez. Rq. So ne precisede

b) Só a colculare volcorio trebuis intocuirtà ant fel riscot.

os a top de fermistor trebuis intocuirtà ant fel riscot.

vo fui posibilo amornomo oscilotiilos ios oscilotoriel

ro fui ruml armonic.

5) Son colculia for

Scanned with CamScanner

Ose anmoniel / circuit en RR positivei circuit et genereouxà semmal ninusoidal de tipul

(VII) = Vose eas Wot

amplitudimea pulsation ose

aseitatulos

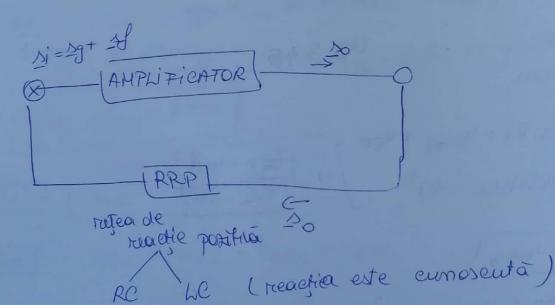
Parametri Vose

po fo/100

stox

stox

sto



COUNTY BARKHALLISEN

Castigul | Alp (ws) = 1) castigul castigul pe bucha amplificatorului.

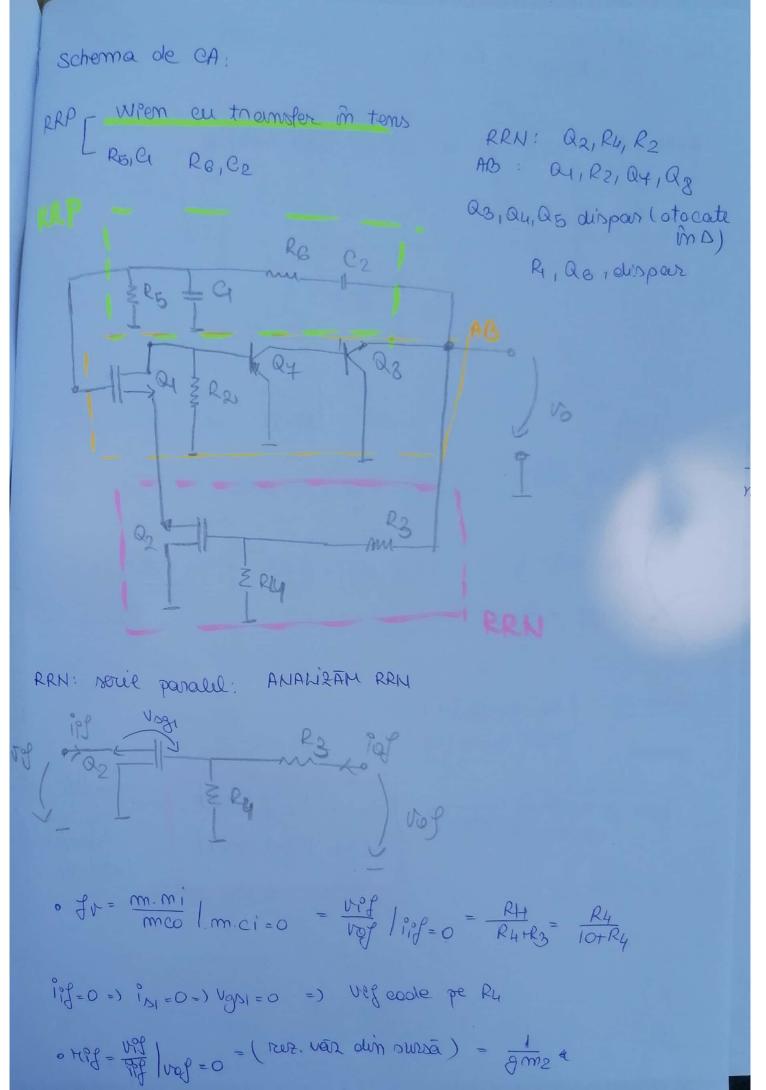
Laca:

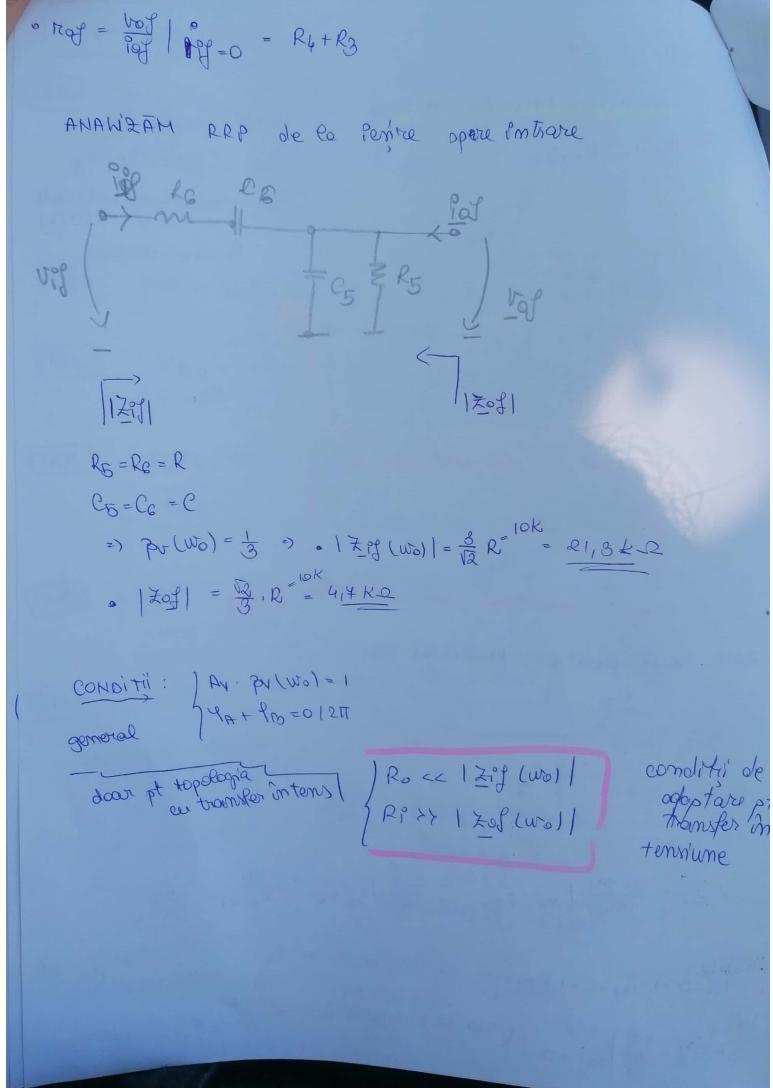
Problema:

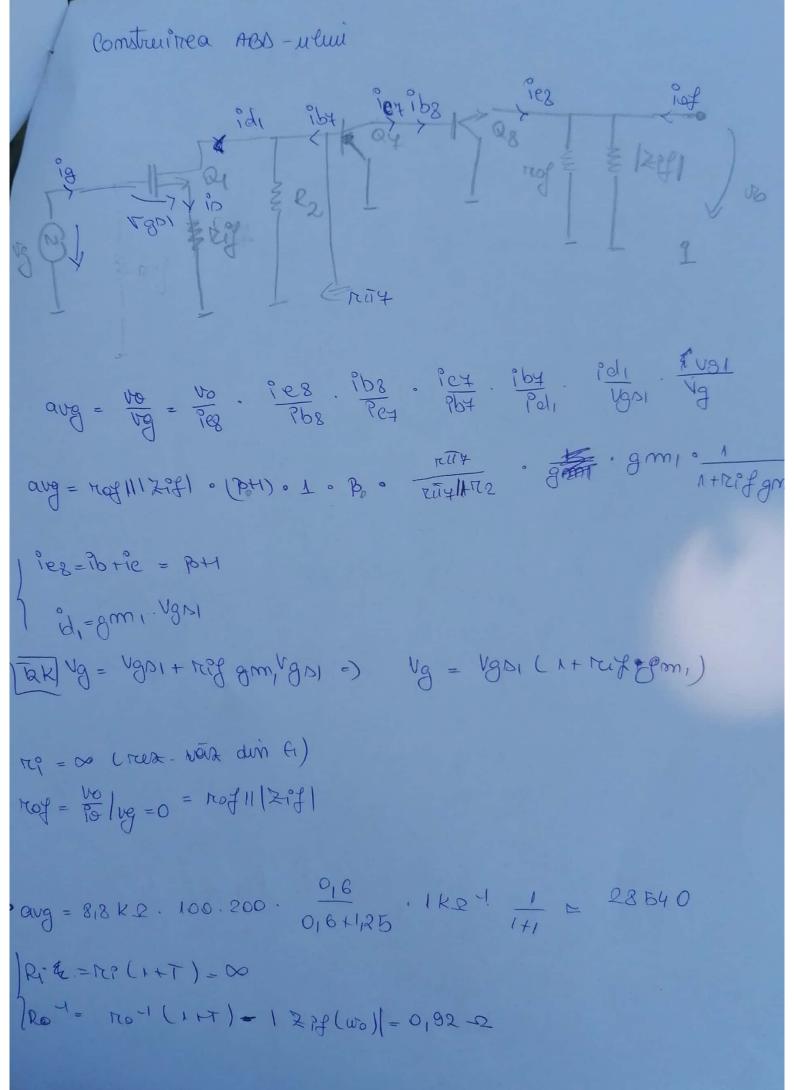
Deei =)
$$\frac{103}{\text{km}_3} = \frac{2 \text{i} De}{\text{km}_6} =$$
) $\frac{108}{\text{km}_6} = \frac{108 \cdot \text{km}_3}{\text{km}_6}$

$$| \frac{1}{100} | \frac{$$

VGS1 = VGS2 = 4V TEK) Vec - Vasz + Vasz + VEE VOS2 = VCC - VEE - VAS3 VOS 2 = 12+12-8 => [VDS2 = 16 V] [2K]: Vec = 10, R, + VOS, + VOS3+VEE =) [VOS4 = 15,4V] Tak: VG2 = VD85+VEE -> VDS5 = -VEE [VAS5 = 12V] Tak! Vec = Vc=8 + Vos6 + V=E VCE8 = 12V VP4 VDS5 + VDS5 + VDS4 = 0 VDS4 = 12,6V (T2K) VCC = VECX + VAS 4 + VEE =) VECY = 17,4 V voriétéense regim: CONO: |VAS| > |VESI - VT | Q1: /V GS1 = 4V / V DS1 = 15,4V 15,4 > 4-2 15,432 (SAT) VBEZO (A) Q8: 3 VEEB = 0,6 V VCESZ VBES @ =) RAN







aug =
$$\frac{avg}{n + avg \cdot fv} \stackrel{\sim}{\sim} \frac{1}{fv} = 3$$
 $fv = \frac{1}{avg} = 3$
 $R_{4} = \frac{1}{avg} = 3$
 $R_{4} \cdot avg = 1 \cdot R_{4} + R_{3}$
 $R_{5} = avg \cdot fv > 0$

contimentional.

 $(1 + \frac{R_{3}}{R_{4}}) \cdot \frac{1}{3} = 1$
 $1 + \frac{R_{3}}{R_{4}} = 3 = 3$
 $R_{4} = 2 = 3 \cdot |R_{4}| = 2 = 3 \cdot |R_{4}| = 2 = 5 \cdot |R_$

Ro = 0,92 2 12 12 1 [Wo) = 21,3 K-2 RP = 00 >> 170f(wo) = 4,4ke

(c)
$$fo = \frac{1}{2\pi RC} = 0.6 \text{ kHz}$$

Ry la t=0 sã hè < 5k dupai pt +20 =) Ry sà timolà cafre 5k. => Tenmistor PTC