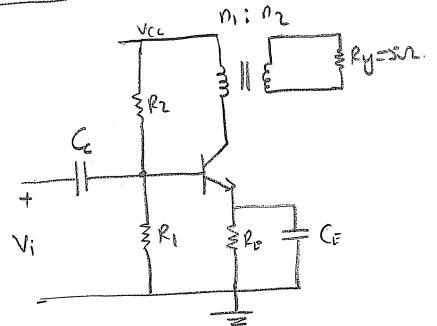
SORY, BID 135 tipi siliyum orta pig tronzistory kullanılarank Vcc=12V luk by kappakter besteren, transformator boistomach bir A sing Luxuetlendrice applianaltir. Vil, 5 ohn lux bir hoporländir.
Erretär direnci uglannda VEG = IV luk bir penlim duschmur
ärgärülmistir. Baplana tronsformatäränun birner toraf sorgi direct throat editebilecek bodor luquiktur. Transitor ian övernli bigillible:

Kolektär alumi ortalomen degeri makumumy · IcelA Kolektor " tepe degeri monksimumus Icn = 1,5A Vise (ceo)=451 Koletta-enetiar dypanas perilinis Post = 8W Kill fraklige Te < 70°C ich malsimmen gig legter VCESON ENV Doyna gerbini (Icm 21,54 icm) hge whee >30 Alim Luzanci

a) Ic= Ic (VcE) alux óregisters derremente giverli quelques b) Girenlik sining asmaksion makimen ciku gacini saplamak icin perekti og galisma noktasi ile Ry! al.a. yik diracini be-livleyer 2. c) örgörüler galyna noktasının saçlanması igin perekli RA, RZ borz bölürü direnclemi hesaplayınız (VBE=0,7V)

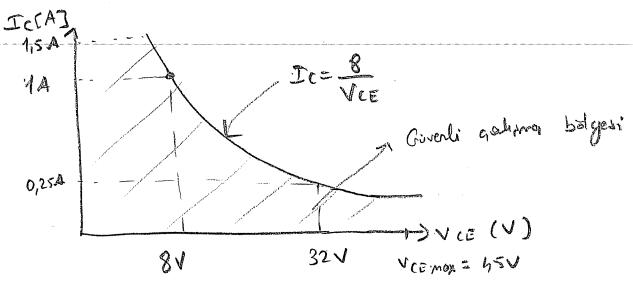
- d) Transformations defishing score ne almosador?
- e) Transformation vermining o/070 oldergrams barbul edoek markiname als pies ian descent footon sermini hesplagniz.

GÖZÜM.



a) Transistorin moix. Qua layor: Plate = &W = VEE & I E

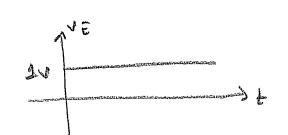
Kolektor-enetör dagarna gerilimi VBR (ezo)=45V Kolektor alkımı tepe değeri makumumu : I(max=1,5A

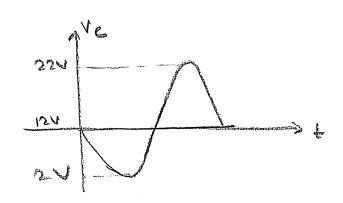


b) More DC orlan Ic=AA

Dapras Berthus, needs for I rentuin

VES=1V





Besleve geribre Ver=124, Veg=14 ver Vee=ant =14 186 salines i com 12-1-1=10 V Eisin talips.

Vop1=10V

Salonette Verg = 11V

Budumin makinin confirme extend I come = 34 20,721

Quel li 01.01. Vil direnci Py 1=10 213,912

c) . UB = VESTURE = 1.7V

IB = IC = 720 = 24mA

Pider alm alm >> 2 hm A almah

II = SOMA MINIAL R= 11 = 2331

P2= 12-11-7 = 140/L

SONATZHNA

$$\left(\frac{\alpha_{1}}{\alpha_{2}}\right)^{2} \cdot Ry = Ry' \Rightarrow \frac{\alpha_{1}}{\alpha_{2}} = \sqrt{\frac{13,9}{5}} = 1,67$$

Lagrarkton gelier DC quia:

Kollettördeli AC pia: