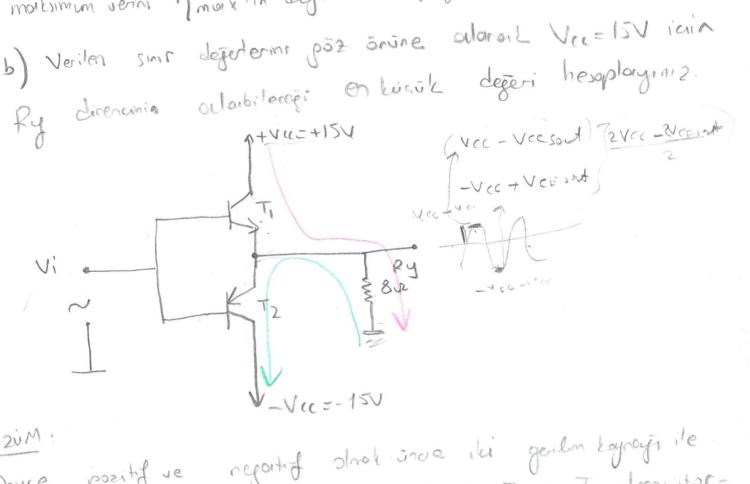
ELEK TRONIK-2 UYGULAMA

50841 Selet 1'de bellonion transistador icam VCEM-50V, Icm=3A re Ptot=10Wtr. VcEsa+=1V olorale verilinistir.

- 2) Ville altarilabilerek maksimum güg Pymor ve bu sirarda morbimum vertin Moralin defensi hesoplayiniz.
- b) Veiler som degeterni pos onine adarant Ver=15V icin



* Device possity ve regard shoul and the geilm Egrafi le besternelteds. Kurnetlendricina giller stand Tive 72 transistorlarina octore enetar un Eullonilia

N Sulviret halinde E noktosma gerilini sifirdir. Bu reder's yille burnettendiriei arasmon dopru perilmi yallimek anocytos kondonatós baplanajas gerek yaktur.

a) Vi=0, you device, sulvivet halinde iken Ti ve T2 (2) transitoriori kemadair. Bu nedale her iki transitordan des alum almaz, ailuz gerilmi de sifirdir. Vilan sinsisidad bir gerlim olmersi halinde, positif alternasta Ti transistary, reportif alternasta das To transistory iletimodedir. Is transform lettipinde alm, yikhn anasiga togra, To sinosan olabilecept en bught radium.

2) Pymony = Wan2 = (Vcc - Vcc rat)

2 Ry Pyrrax=(15-1) = 12,25W Poc = 2 Voc Foc [Device metric bir yopiya samp oldu-Funder lagrallorin Grinder celiler quein ili Latner edittir) IDC = EM EIVM [Tourstollard sodere

The Py [Tourstollard sodere

PDC = 2 Um , VCC 1 max = 1 Vcc - Vcc = 1 13 = 0,733 = 0,73,3

b) transtorlado hacaan noxinus fig

PT = Poct Py york getter gold

Bester ferting achter pra

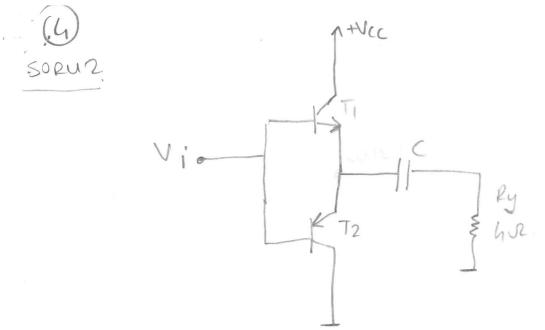
Proted = 2 Vec2) Transiturion by dejens your west the Frankforlada harrara maximu qua de Protont - 1/2 Pyrms harrish ion

Py > VCc 2 = 225 = 2,28 V

Loculun don horelette.

Ry> VCC - VCESON+ = 14 = 4,670 6020-das/.

/ you / 1/672



Selvidelis deviede posision extenil transistorioria herbini icia VCEsont=11 deger verilmisti.

- 3) Yake noksimm 20W orkhorocconk Vcc geriliminin dégeri ne kordor simple du transtarlarda
- b) (a) den segiler Vac gerilimi dégeri rain horronabilere L moitsimen qu'a ne Lador alur?
- c) Yake LOW gia aktorildignadar devrenn vermi ne kardadir?

VCC -VCEINT = 12,65V=> VCC = 27,3V

b) Herkir fresstorder horonderlede makemen pun Pyrrer = VCC2 = 23,3 W

Ptot = 2 Pyrox = 4,72W

(2)