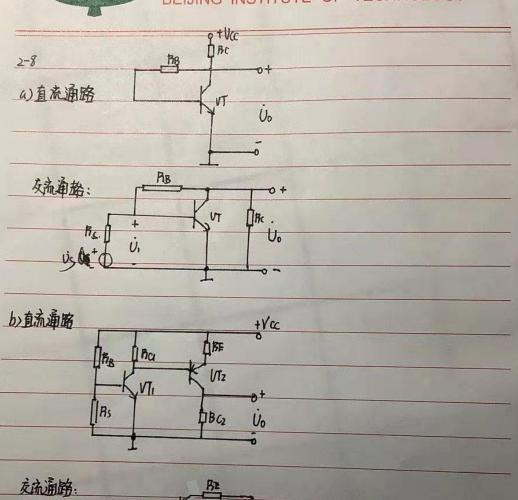
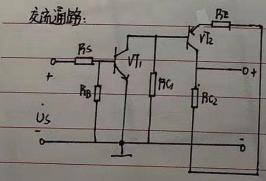
132019 1089 Mp用 obongの9 サル京理工大学
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-4 A: Ux=12V, UY = 117/V. Uz=bv.
Ux-Uy=0.3V Ux>UY>UZ
:. Xte Yth 8tc.
是 pwp 型
B: UX=-5.2V UY=-1V UZ=-5.5V
Ux-Uz = 0.3v UY >Ux > Uz
: X+6 /+c 8+e
是NPN型
2-7. a) 不能. 图 灯是 PMP型, 由题: Uc 7 Ub> Le 不满足发射结正偏 集电
五友卿时条件、应该令 VCC 为危.
b)不能, b压陷 =0. 应使 PB 接 b被和Vac.
C)不能. b直接连 Vcc. 电压比 C 极大,集电结不能反偏,在b和Vcc.间连
<b>持</b> 电
d). 不能. b 极 改有 直接 直流 电 派· 全 RB FS VCC 和 b 极
e).能 灯建 柳似型. 并在 放大区 辽华
力 能 ,理中同上
g 不能 C 极直接连 Voc ,在 C 成和 Voc 间连一电阻
h) 稀. 输入交流信期被短路. 姑麻糖 Cs







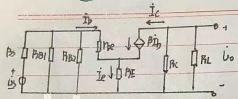


2-14. 1. IBa= Ica = 10MA B= (Vac- UBEQ)/IBQ=1-13MSR.
2.
IBS IFB IBE BID IBC IFIZ UD
is_P
Uo= - βİb (Bc // BL)
$U_i = ih$ the roe = how t (HB) $\frac{2bmv}{IER}$
IEQ = Ica + Isa 2 0.5mA
Au = vo/o; = - (Rc//Az) B/ Ybb'+ (HB) = - 1
Ri= PB//rbe = 2 /2 2
Aus = Vo/is = Vo/Fi+Bs i = Hi Fij Vi = Hi+Bs Au = -82
3. Ri= Rs // No 27k2 Bo= Rc=16k2
2-15 1. IBQ = IB1-IB2 = 0
()B > BB2-VCC / (ABI+ BB2) = -4V
I CR & IEQ = (UB-UBE)/RE & UB/RE= - 2m/
UCEO & VCC - ICQ (BC+ PIE) = -16V +10V=-6V
2. UCEO = VCC - ICO (BC + BE) = -4V
ICA = (VCC - DCEA) /(BC+BE) = -2.4MA.
UB2 = UB = I CO RE = - 4-8V
JB1 & JB2 = UB2 / F1B2 = - 0.24 mA



UBI & VCC - UB2 = -11.2V
PB1= UB) /IB1 & 4 Ke
Jiby ji ji c + 0 +  Jiby ji ji c + 0 +  Us ot   RB1   RB2   The   Bib   RC   RC Us
rbe = 100'+ (HB) = 26mV = 213/2
Aus = Uo/is = Bi to = Bi+Rs   The = JT
Bo = BC = 3KOZ
-17 RE= D ET
UB= (PB2-VCC)/(PB1 + PB)=2.12V
IEW = (UB-UBEW)/(BE+BE) = 142mA
图局上题3.
The= Nob'+ (HB) 26mV = 1.9T k2 An= Up = -B(Bc/BL) = 180.
Bi = BBI // RBI // The a 1.6 K-2
Po=Bc=8.2 K-2
BE-200 R # IFQ = UB-UBEQ = 1.18 mA





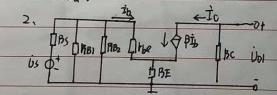
The = 
$$hn' + (H B) \frac{2bnv}{DEQ} = 2.33 c$$
  
 $An = \frac{\dot{U}o}{\dot{U}\dot{I}} = \frac{-Bi Rc / IBU}{he + (HB) B_E} = -15.7$   
 $Ro = BC = 8.2 ks2$ 

Ri= RB1 // RB0 // [Me+ (HB) RE] = 6.3 KSL

: PC=D > Re =200 时. An T阵. Ri 增大

Ica a IEa = (UB-0.7) / BE . 1.8 mA

UCEQ 4 VCC - ICQ (BC+BE) = 2.8V.



the = the'+ (HB) 2bm = 12k2

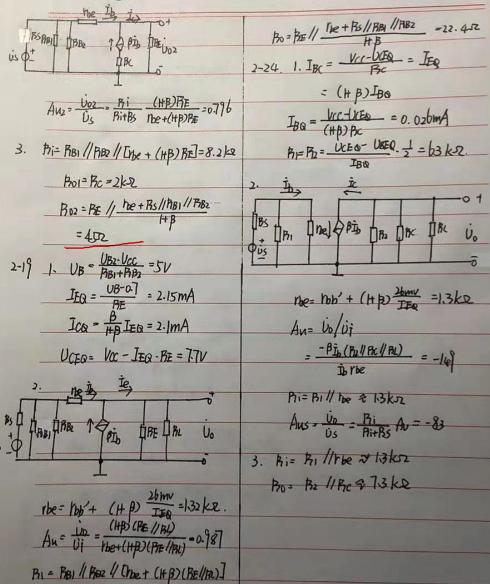
Ai = Di/ii = PABI// PABZ // [ Ne + (HBPAF] = 8.2 kg Au = Dul = Pi) -- PRC -- D.783.



-21.86 Ke

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2-25 1. Iby = Ica = 0.01 mA

IFQ = IBQ + ICQ & IMA

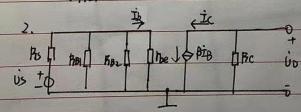
UBO & JUBER = 3.5V

BE = UBa - UBFQ =28kn

BC = VCC - UCEO - (UBO - UBEO) = 50/C

I= 10, IBO =0.1mA >> IBO

: RBI 435K2 BBI 285KSZ



$$Au = \frac{\dot{U}_0}{\dot{U}_1} = \frac{-J_c h_c}{\dot{I}_b r_{be}} = \frac{-\beta h_c}{h_{be}} = -1 \beta$$

Ri= AAI / MB2// Noc = 2.4 /cz

Bo= Bc = 5.2/cr