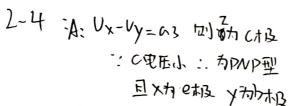


8 a.b

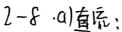
@ a. a b

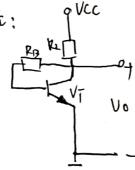
(F) >

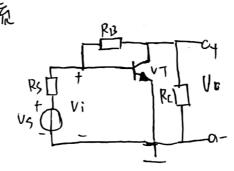


13: UY-UZ=03V : 如Y为C极 - 为NPN型 且 X为D极 Z为已极

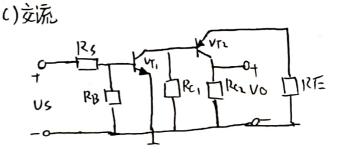
- 2-7 a) PNP 极不满足发射正偏氯电极处偏、VCC应转负电压
  - b) b极蜓和o 它将阳接至Vcc
  - C) 的极与Vcc相连等电极正编. 它在Vcc与战间加一电图
  - d Jb极无电流 它将 Pb 转Vcc
  - e) 可证常放大
  - f) 可归库放大
  - 9)信号稍级取出正将VCL与(1间加一里归
  - h)交流通路中输入信号被短路证明 CB去取除

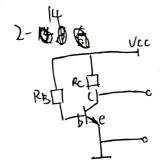


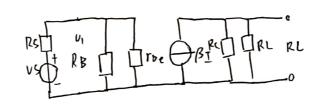




り直流 RB TRE PRE VIL VO







(1) 
$$IBQ = \frac{IcQ}{B} = IO \mu A$$

$$RB = \frac{VCC - VBEQ}{IBQ} = 1.13MM$$

Aus = 
$$\frac{Uc}{US} = \frac{Uc}{Ui} \frac{Ui}{Us} = \frac{RBIlrbe}{RBIlrbe}$$
 Au = -83  
13)  $R_i = \frac{RBIDe}{RBITDE} = 27kN$  Rc=RC=16KN

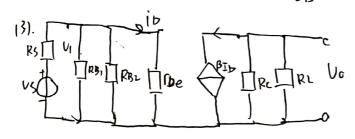
$$V_{B} = \frac{R_{B_{1}}}{R_{B_{1}} + R_{B_{2}}} \cdot V_{CC} = -4V$$

$$I_{CG} = I_{EG} \approx \frac{U_{3}}{R_{B_{1}} + R_{B_{2}}} = \frac{-4V}{2kn} = -2mA$$

$$I_{BG} \approx \frac{I_{CG}}{B} = -3 \cdot 3 \cdot 3 \cdot MA$$

$$I_{CG} = V_{CG} - I_{CG} \cdot (R_{CG} + R_{CG})$$

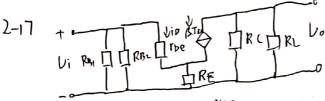
$$ICQ = -2.4 \text{ mA}$$
 :  $VB = -4.8 \text{ V}$   
:  $RB_1 = \frac{RB_2VCC}{VB} - RB_2 = 46.7 \text{ kg}$ 



$$|A| = \frac{1}{V_{1}} = \frac{2b}{2} = \frac{1}{7} = \frac{1$$

$$R_i = \frac{V_i}{I_i} = R_{B,1} 1 R_{B,2} 1 1 \text{ rbe} = 753 \text{ n}$$

$$R_0 = R_c = 3 / c \text{ A}$$



$$Av = \frac{-BRU}{r_{De+(HB)}R_{E}} = -174$$

$$\frac{15}{35} \cdot \text{Vcc} = 4.29 \text{ V}$$

$$\text{IEG} = \frac{\text{VB-C.7}}{\text{RE}} = 1.795 \text{ mA} \approx \text{ICG}$$

$$\text{VCEG} = \text{Vcc} - \text{Icg} (\text{Rc} + \text{RE}) = 1.015 \text{ V}$$

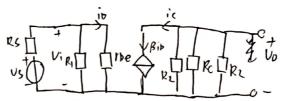
$$Av_L = \frac{(1+\beta)RE}{rbe+(1+\beta)RE} = 0.99$$

$$D I_{CG} = \frac{\beta^2}{1+\beta} I_{EG} = 2.1 \text{m A}$$

$$\frac{1}{kc} = \frac{vcc - VcE}{kc} = 0.978 \text{ bmA}$$

$$\frac{1}{kc} = 0.978 \text{ bmA}$$

## 微变等效



$$(2)$$
 Iea =  $\beta I_b = 0.969 \text{ m/A}$ 

the = 300+(1+B) 
$$\frac{26}{1EG}$$
 = 1.668 kM  
 $AU = \frac{-128 R L'}{rbe} = -117$ 

2-25
$$R_{S_{1}} = \frac{VCC - VCEG}{RC + RE}$$

$$I_{S_{2}} = \frac{VCC - VCEG}{RC + RE}$$

$$I_{S_{2}} = \frac{VCC - VBG}{IBC} = \frac{VCC - VBG}{IBC} = \frac{PS}{Olim}$$

$$R_{S_{1}} = \frac{VCC - VBG}{IBC} = \frac{PS}{Olim}$$

$$R_{S_{1}} = \frac{VCC - VBG}{IBC} = \frac{3.5}{Olim}$$

$$R_{B1} = \frac{V_{B1}}{L_{1}} = \frac{3.5}{0.1} = 35 \text{ kg}$$

$$R_{B1} = \frac{V_{B}}{I_{1}} = \frac{3.5}{0.1} = 35 \text{ kg}$$
 $V = -V_{B} - V_{BE}Q = 1.8V$ 
 $R = -\frac{V_{E}}{I_{E}Q} = 2.8 \text{ kg}$ 

## 121 微变