住 业 纸

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2-4

解:A:: Ux>Un>Uz Uyx=-0.31

八岁是b 初色这鬼C 为PNP型

Bいしyフレシンは Uxz=0.3V にX为b破る是e報 y是C数

八层加加型

解:(0)不解放大

(b)不能游戏。将尺的Vcc中的连

(C)不能放大。在基顿和Vcc中加助图形

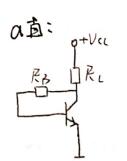
(d) 不能放大。

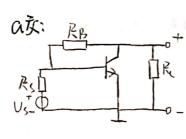
と, あり、かか大

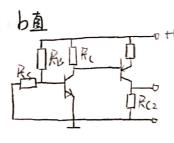
(f) 可以初大

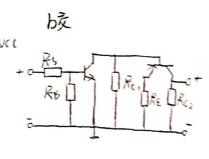
(9) 网络双飞船放大。在集电极加电阻尺

(h)不能放大。应东梅 CB









联系方式:

= Ri=Vi = 2.7 Ks. BRe=Rc=16Ks.

Aus=Rith Au=-83 131 由公得 Ri= 2.7Ka Ro-16Ka

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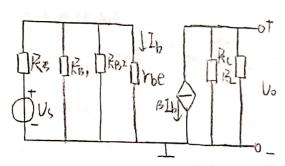
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解: 直流电路 (1) $P_{1}V_{B} = \frac{R_{B2}}{R_{B1}tR_{B2}}[-V_{CL}) = -4 V I_{CR} = \frac{U_{B}+0.3}{R_{E}} = -1.85 mA$ $V_{CEQ} = -V_{CL}tI_{CQ}(R_{C}+R_{E}) = -6.75 V$ $P_{B2}[P_{B2}][P_{B$

又"UB= RBZ Pa+R (-Vu) 中心院子47K几

(3)微妄等效电路如下



Phez Pbb + (HB) 26mV = 1.3Ka Ri=Rn/1/2 mz/1/rbe=1.2 K.C Ti=KBI//KBI//rbe=1.2KA

Res | Res | rbe | Res | rbe = -55

Res | Res | Res | rbe = -55

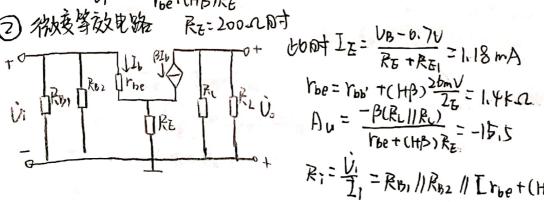
Res | Res | Res | rbe = -55

2-17 解:①尼=0时

Ri=Vi=RBI//RBZ//[rbe+(HB)Rz]=1.63k2

12.1 Au= Vo = - B(RL1/Rc) 12.1 Au= Vo = - B(RL1

② 微奏等效电路 尺=200几时



Ri= 1, = Rb, // Rb2 // [rbe+(HB) Ro] = 6.3K. [

联系方式

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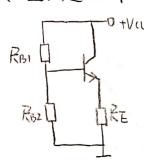
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2-19 解心直流通路如



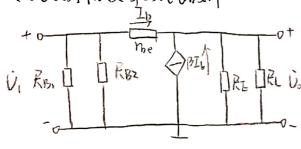
$$I_{EQ} = \frac{R_{Bz}Vcc}{R_{Bi} + R_{Bz}} = 5V$$

$$I_{EQ} = \frac{V_{BQ} - 0.7V}{R_{Z}} = 2.15 \text{ mA}$$

$$I_{CQ} = \frac{B}{1 + B} I_{QQ} = 2.1 \text{ mA} \text{ R} V_{CQ} = V_{CQ} - I_{QQ}R_{Z} = 7.7V$$

$$A Resident 1.7$$

己的时微复耸效电路城下

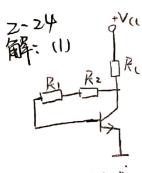


Problem of
$$r_{be} = r_{bb} + (H\beta) \frac{2bmV}{Z_{bQ}} = 1.35 \text{K}.\Omega$$

$$A_{V} = \frac{\dot{i}_{b}}{\dot{v}_{i}} = \frac{(H\beta)RL}{r_{be} + (H\beta)R'_{i}} = 0.987$$

$$R_{i} = R_{bi} ||R_{B2}|| \text{ Tr}_{be} + (H\beta)R'_{i} = 23.8 \text{ K}.\Omega$$

$$R_{e} = R_{E} || \frac{r_{be} + R_{s} ||R_{B1}||R_{B2}}{1+\beta} = 23.\Omega$$



联系方式:

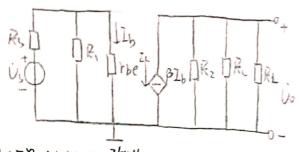
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(2) 微多等效电路

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$$r_{be} = r_{bb} + L_{H\beta} \frac{1}{2bmv} = 1.3 \text{ k.C.}$$

$$A_u = \frac{\dot{U}_0^0}{\dot{V}_1} = -\frac{\beta (R_c || R_c || R_c)}{r_{be}} = -149$$

联系方式:____