國立臺灣科技大學答案卷

姓名/Name 李龙龙

學號/Student ID |31/00≥/10

班級/Class 四電子二乙

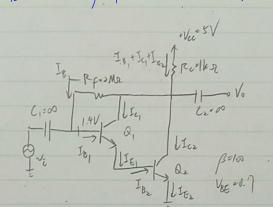
科目/Course title 電子學

THI/Date 111.13·13

Course title 25章

BHI/Date 111.13·13

CHAPTER TO Please WE Front Here. P of 在同一资料大中

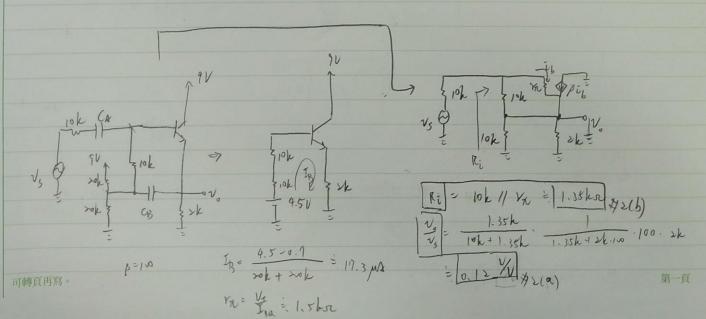


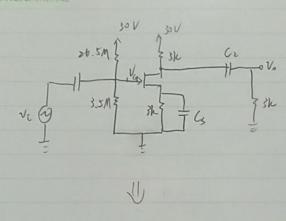
Y_{K1} =
$$\frac{V_{f}}{I_{BQ_{1}}}$$
 = 88.1 k.
 V_{KL} = $\frac{V_{f}}{I_{BQ_{2}}}$ = 812 SL

$$\begin{array}{lll}
\exists I_{B_1} = 0.295 \, \mu B \\
\exists I_{B_2} = (1+\beta)I_{B_1} = 29.8 \, \mu B \\
\exists I_{C_1} = \beta I_{B_1} = 29.5 \, \mu B \\
\exists I_{C_2} = \beta I_{B_2} = 2.98 \, \mu B \\
\exists I_{C_1} = (1+\beta)I_{B_1} = 29.8 \, \mu B \\
I_{E_2} = (1+\beta)I_{E_2} = 3.01 \, mB \\
\end{array}$$

7 = (88.1k + 101=87) + 1).100 + 88.1k-101-812 .1000.(-1)

Ri (x, + 6+p) x, 2) 1/ Rg = 1764//2M = 16262 7 100)





$$V_{4} = 30. \frac{3.5}{24.5^{2}3.5} = 3.5V$$

$$I_{0} = 12m \left(1 + \frac{V_{45}}{45}\right)^{2}$$

$$V_{45} = 3.5 - I_{0}.3k \Rightarrow I_{0} = \frac{3.5 - V_{45}}{3k}$$

$$\frac{3.5}{3k} - \frac{V_{45}}{3k} = 12m \left(1 + \frac{2}{5}V_{45} + \frac{V_{45}}{3k}\right)$$

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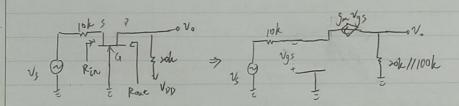
$$\frac{3}{5} - \frac{V_{45}}{3k} = 12m \left(1 + \frac{2}{5}V_{45} + \frac{V_{45}}{3k}\right)$$

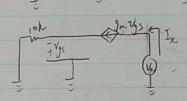
$$\frac{3}{5} - \frac{V_{45}}{3k} = 12m \left(1 + \frac{2}{5}V_{45} + \frac{V_{45}}{3k}\right)$$

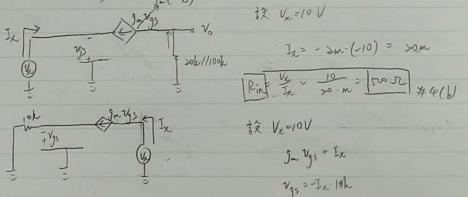
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$$\frac{3}{5} - \frac{V_{45}}{3k} = -2.89 \quad \text{or} \quad -7.80 \quad \text{or} \quad \text{$$







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National Taiwan University of Science and Technology Answer Sheet

姓名Name 外包象

科目/Course title 電子學

學號/Student ID B1160と110

班級/Class ワモテニて

日期/Date 111. 12. 13

評 分 教師簽章 Score Signature of Lecturer

記分欄

6

從此處開始寫起。試卷用紙務須節用,非經主試認可不得續用其他紙張作答。/Please write from here.

