

作业纸

课程名称

第

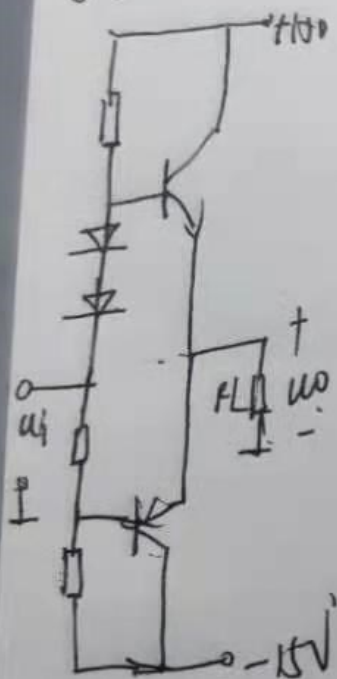
学号:

姓名:

教学班级:

班级:

S-S



$$U_{om} \approx U_{im} \approx 14.14V$$

$$P_o = \frac{U^2}{2R_L} \approx 25W$$

$$\eta = \frac{\pi U_{om}}{4V_{ce}} \approx 74\%$$

$$P_{v1} = \frac{1}{R_L} \left(\frac{V_{ce} U_{om}}{\pi} - \frac{U_{om}^2}{4} \right) \approx 4.93W$$

$$2) \quad U_{CE(sat)} > 2V_{ce} = 30V$$

$$I_{CM} > \frac{V_{ce}}{R_L} = 37.5V$$

$$P_{CM} > 0.2 \frac{V_{ce}^2}{2R_L} = 5.625W$$