

2. (1) $I_0 = 0.5A$

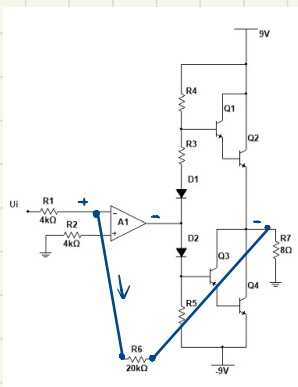
$I_{D1} = \frac{U_{DS}}{R_1} = 24mA$

$\therefore I_{Zmax} = I_{D1} + I_{W} = 32mA$

(3) 消除自激振荡

五.

1.

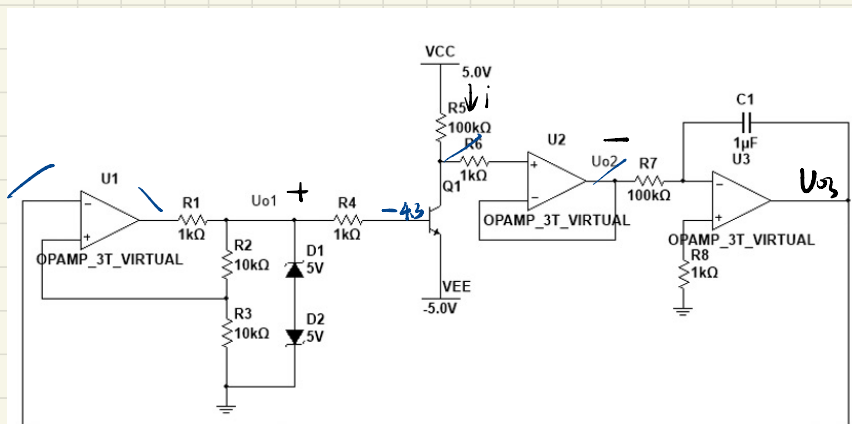


2. 电压并联负反馈 $F = \frac{U_o}{U_i} = -\frac{1}{R_6}$

$A_{uf} = \frac{U_o}{U_i} = \frac{U_o}{I_f R_1} = -\frac{R_6}{R_1}$

3. X X V X V V

→



1. U_1 : 电压比较器!

U_2 : 电压跟随器

U_3 : 反相放大器

2. U_1 : 矩形波. U_2 : 矩形波

↓ max: 8V

max: 5V

min: -8V

min: -5V

3. $U_T = \pm \frac{R_3}{R_3 + R_2} U_2$

$$U_{03} = -\frac{1}{R_7 C_1} \int \overset{-5}{u} dt$$



$$2U_T = \frac{I}{2} \cdot \frac{5}{R_7 C_1}$$

$$T = \frac{4U_T R_7 C_1}{5} = \frac{4}{5} \cdot \frac{R_3}{R_3 + R_2} U_2 \cdot R_7 \cdot C_1$$

