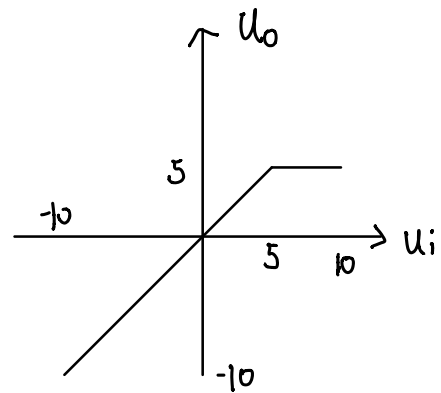
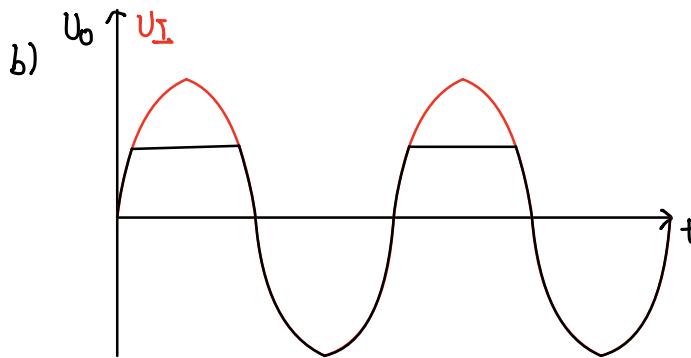
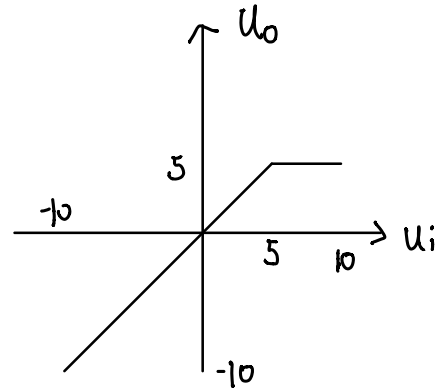
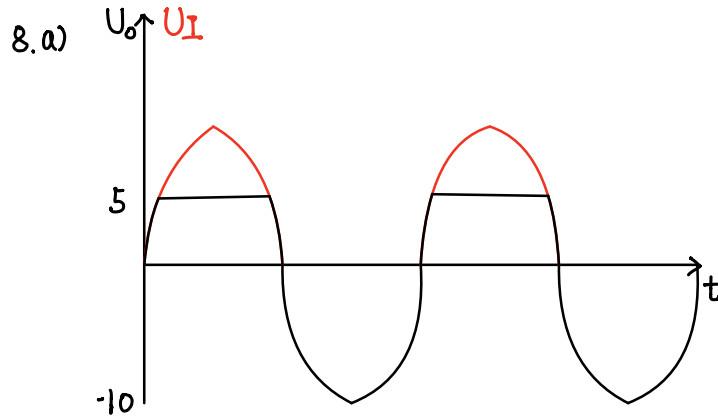


$$6. (1) I = \frac{U}{R} = \frac{10 - 0.7}{5.1}$$

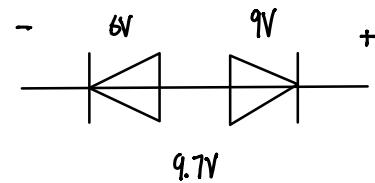
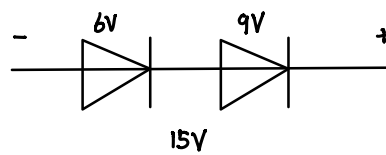
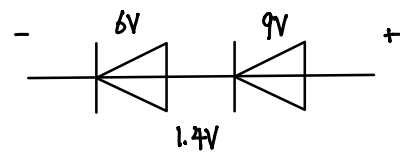
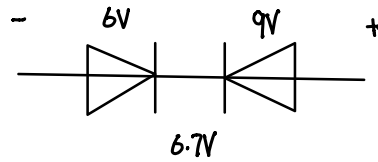
$$\text{得 } I = 1.8 \text{ mA}$$

(2) 温度升高, I 增大, U_o 减小

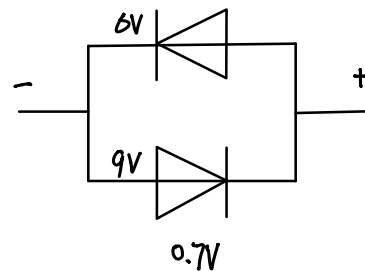
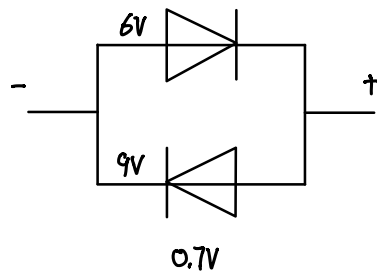


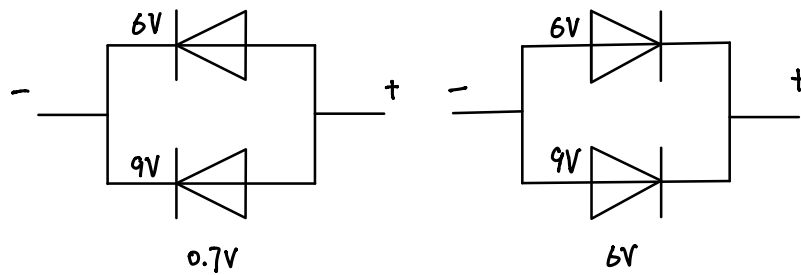
9. ① 串联

硅管 $U = 0.7V$



② 并联





10. (1) $U_1 = 20V$ $U_L = U_0 = 6V$ $I_{2max} = \frac{200mW}{6V} = 0.033A$ $I_{2min} = 0.01A$ $I_2 = \frac{20-6}{500} - \frac{6}{1000} = 0.022A$

可正常工作, $U_0 = 6V$

(2) 若 $U_L = U_0 = 6V$ $I_2 = \frac{20-6}{500} - \frac{6}{100} = -0.032A$ 不可正常工作, 二极管可相当于导线

$U_0 = U_1 \times \frac{R_L}{R+R_L} = 20 \times \frac{100}{100+500} = 3.3V$

(3) 设稳压管可正常工作, 则 $U_0 = 6V$ $I_2 = \frac{20-6}{500} = 0.028A < I_{2max}$ 可正常工作

(4) 设稳压管可正常工作, $U_0 = 6V$ $I_2 = \frac{7-6}{500} = 0.002A < I_{2min}$ 不可正常工作