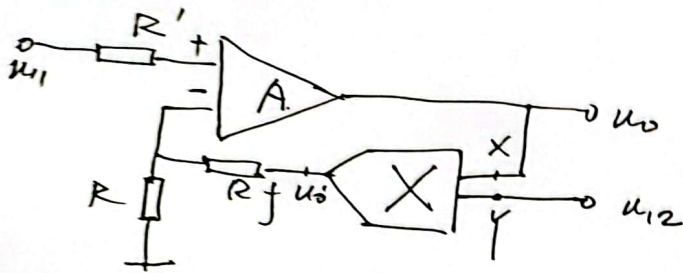


6.17.

(1)



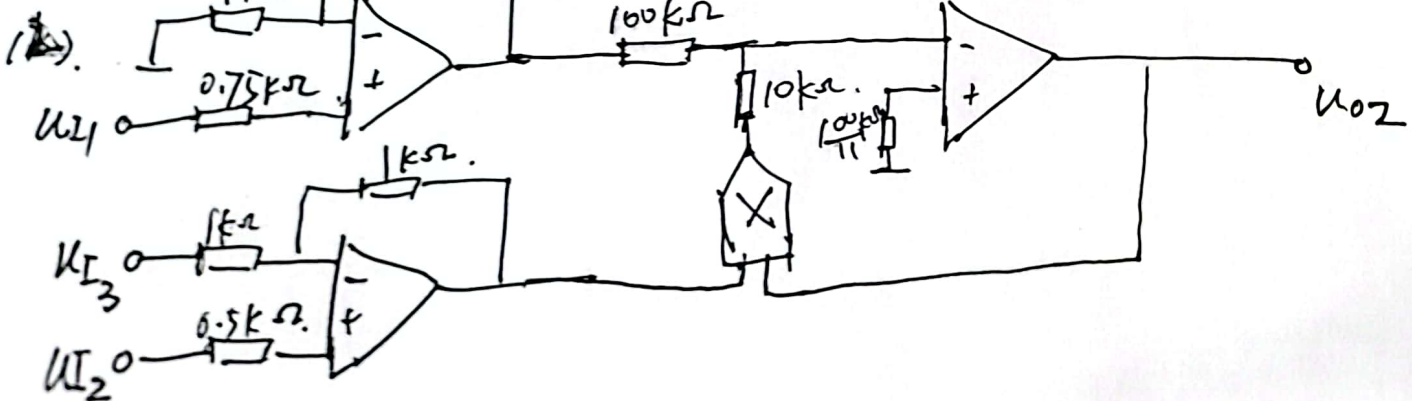
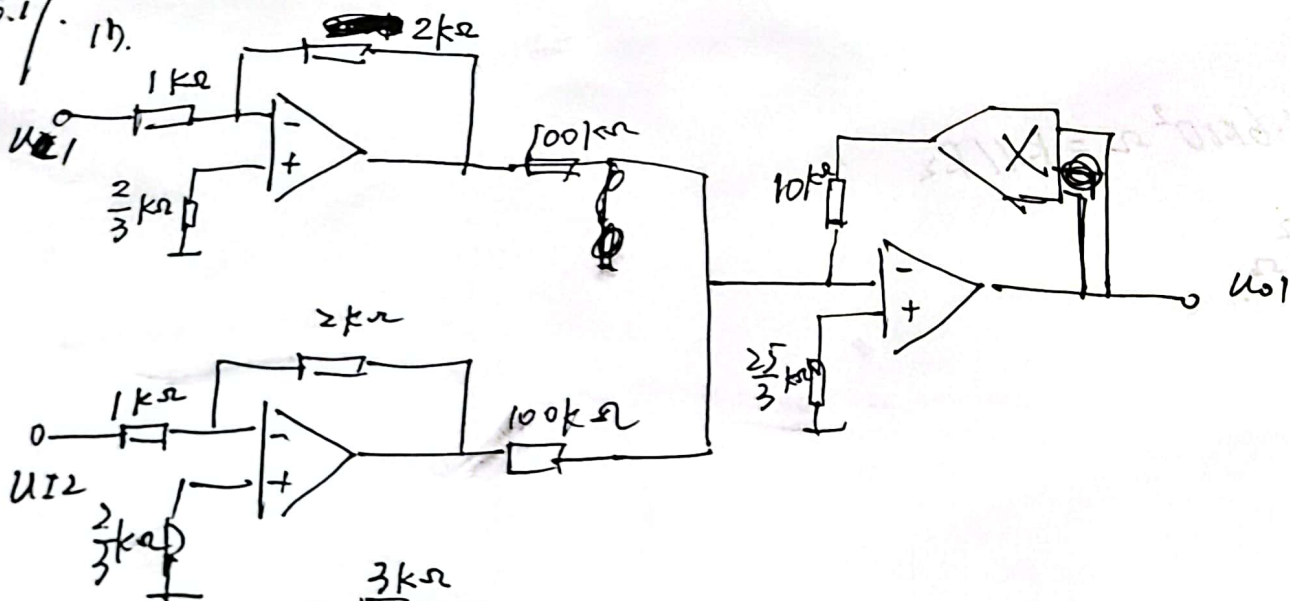
(2) $u_o' = -0.1 u_o u_{12}$

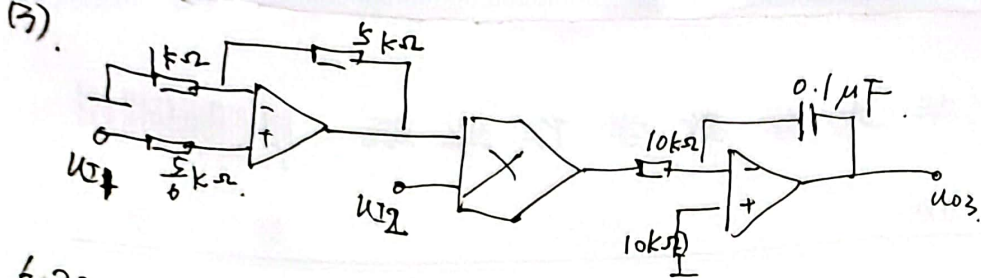
$$\frac{u_{11}}{R} = \frac{u_o' - u_{11}}{R_f} \rightarrow u_{11} = \frac{R}{R + R_f} u_o'$$

$$u_{11} = \frac{R}{R + R_f} (-0.1 u_o u_{12})$$

$$u_o = -\frac{10(R + R_f)}{R u_{12}} u_{11}$$

6.19. (1)

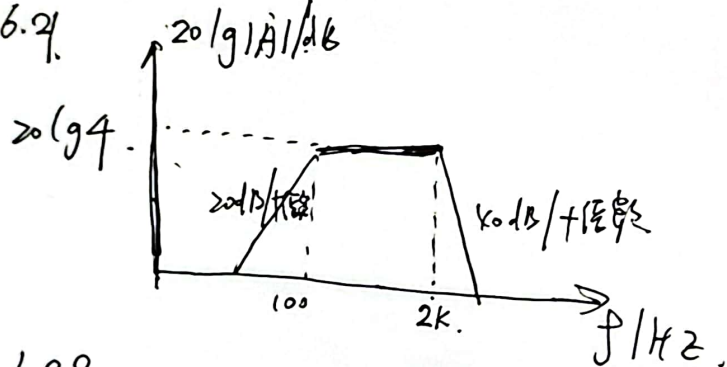




6.20.

- (a). ~~高通~~ 高通. -1阶.
 (b). 高通. =1阶.
 (c). 带阻. =1阶.
 (d). 带阻. =0阶

6.21.



6.22.

$$f_0 = f_p = \frac{1}{2\pi RC}.$$

$$R = \frac{1}{2\pi f_0 C} \approx 1.6 \times 10^2 \Omega = R_1 // R_2$$

$$R_1 = R_2 \approx 6.4 \times 10^2 \Omega.$$

