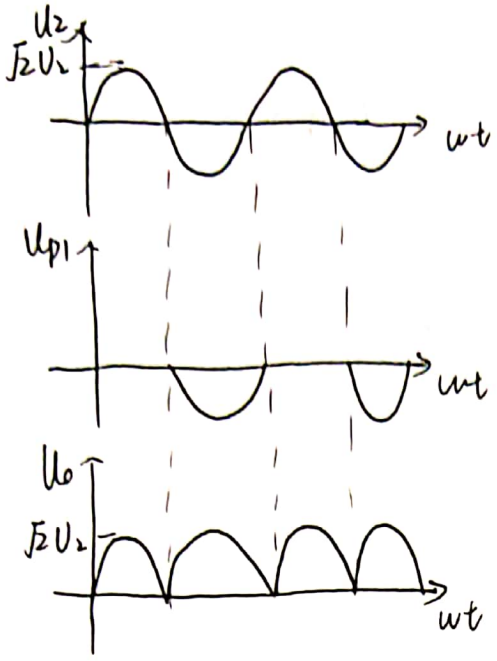
学号：19032051 姓名：高旭 班级：自动化5班

9.6 (1)



(2) $U_{O(AV)} = 0.9U_2$

$I_{L(AV)} = \frac{0.9U_2}{R_L}$

(3) $I_{D(AV)} = \frac{0.45U_2}{R_L}$

$U_{Rmax} = 2\sqrt{2}U_2$

9.7 (1) $U_{O1(AV)} = 0.45(U_{21}+U_{22})$

$= 31.5V$

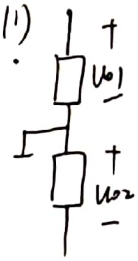
$U_{O2(AV)} = 0.9U_2 = 18V$

(2) $U_{D1(max)} > \sqrt{2}(U_{21}+U_{22})$

$= 99V$

$U_{D2(max)} > 2\sqrt{2}U_{22} \approx 57V$

9.8 (1)



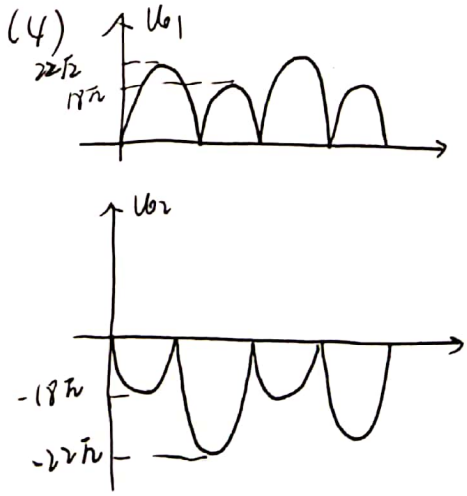
(2) 均为全波整流.

(3) $U_{O1(AV)} = -U_{O2(AV)}$

$= 0.45(U_{21}+U_{22})$

$= 18V$

(4)



$U_{O1(AV)} = -U_{O2(AV)}$

$= 0.45(U_{21}+U_{22})$

$= 18V$

9.17 (1) $U_o = \left(1 + \frac{R_2}{R_1}\right) U_R$

R_2 从 0 到 3kΩ $U_o = 1.25 \sim 16.9\,V$

(2) $U_{2min} = 16.9 + 3 = 20\,V$

$U_{2max} = 1.25 + 40 = 41.25\,V$