11) $\frac{\sqrt{a_1}}{6\times10^3} + \frac{\sqrt{b}}{30\times10^3} = \frac{-\sqrt{a_1}}{300\times10^3}$ ($\sqrt{a_2} = -5\sqrt{a_1}$ 12) 当运放饱和时, Vo = -10V $\frac{\sqrt{a} + \sqrt{b} = 0 - \sqrt{a}}{6 \times 10^{3} + 30 \times 10^{3}} = \frac{0 - \sqrt{a}}{300 \times 10^{3}} = \frac{$ 1. Va = 0.15V (1) $\frac{0-\sqrt{a}}{5\times10^3} = \frac{\sqrt{a-\sqrt{b}}}{40\times10^3}$ Vo = 4.05V Vb = 0.45V $\frac{b_{00} \times 10^{-3} - V_b}{20 \times 10^{-3}} = \frac{V_b - 0}{60 \times 10^{-3}}$ (2) 当运放饱和时, Vo=45V : Rx = 2.5x105/12. 600×10-3-Vb =

2.4 一回回证放班热 ·· Vn=0 B Rg = 5x103 + 50x103 = 55x10312.

2.6 100 = 52×22 Af = - Po (1+ Ro + Ro) = - Po (2+ RA) 以当是=2,2+篇=50时,满溪件,且电阻为建数值 此时, P1=51K12, P2=P3=102K12, P4=2.04K12. 2.10 V13-1/2 + 1/4-1/2 = - 1/2
RB = - Rc.

2.11 R单位均为K12. 由2.10知: R1=20, R1=200, DIR=50 , Rn= 100 $(1+\frac{RP}{RM})=15$ $\frac{RP}{RA}=\frac{1}{3}$, $\frac{RP}{RB}=\frac{1}{15}$ = $\frac{20}{150}$: 2 Rp = 20, PA = 60, RB = 150, R1 Rc = 37.5