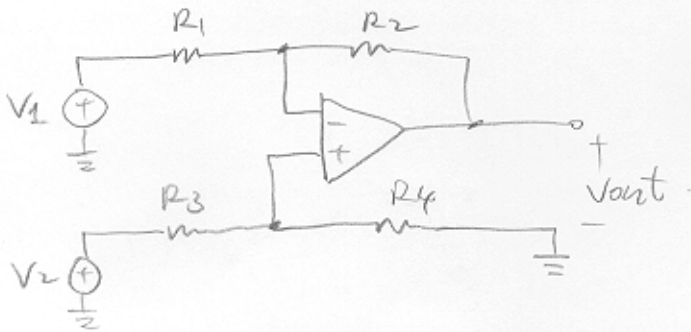


1,



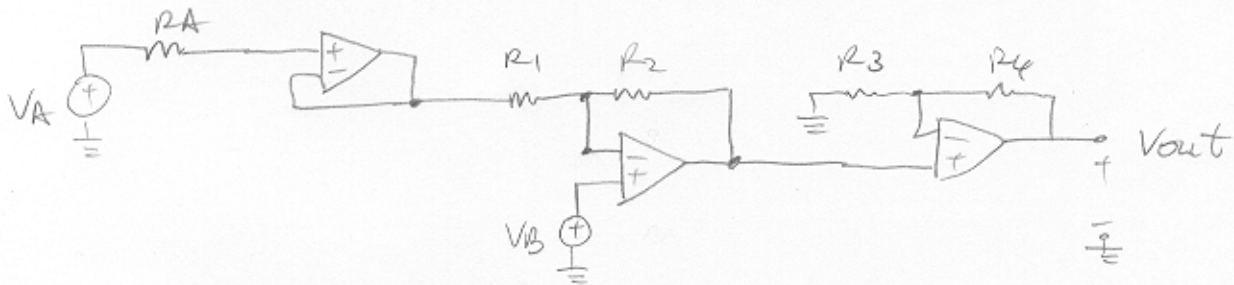
Find power dissipation in  $R_{load}$  for  $A = 6000 \text{ V/A}$ .

2,



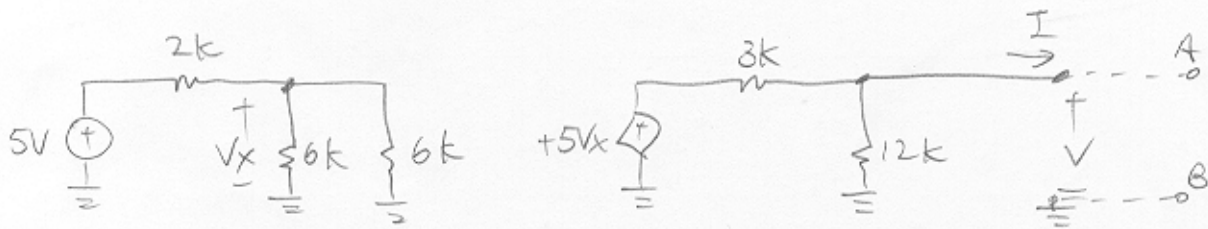
Find  $V_{out}$  in terms of  $V_1$  &  $V_2$ . (Assume ideal op-amp)

3,



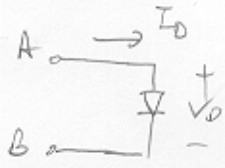
Find  $V_{out}$  in terms of  $V_A$  &  $V_B$ . (Assume ideal op-amps)

4,



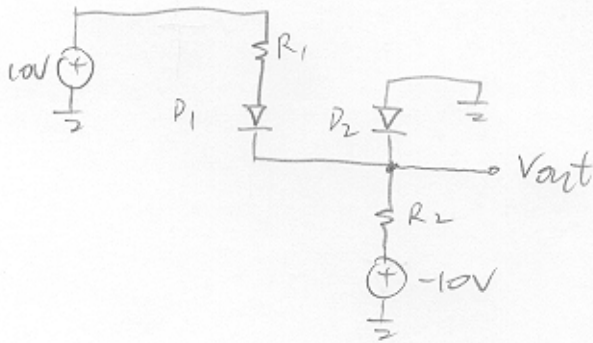
plot  $I - V$  curve

5, A diode is connected to the circuit of prob. 4:



Find  $I_D$  &  $V_D$  by load line method.

6,

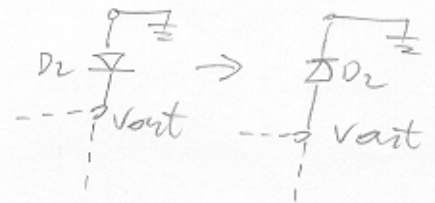


Find  $V_{out}$  for:

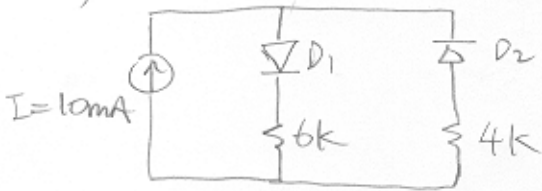
a,  $R_1 = 1k\Omega$ ,  $R_2 = 5k\Omega$ .

b,  $R_1 = 17k\Omega$ ,  $R_2 = 2.8k\Omega$ .

7, Repeat P.6 when  $D_2$  is "flipped."



8,



Find power dissipation in  $D_1$  &  $D_2$ .

9, Repeat P.8 when  $I = -10mA$ .

10, Prob. 4.36 in textbook (S & O (P.177))