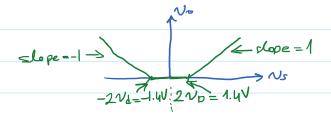
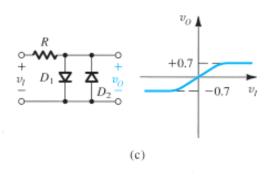


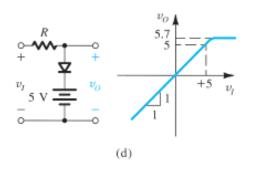
Oraw the transfer characteristic of the grun Jull-wove rectifier.

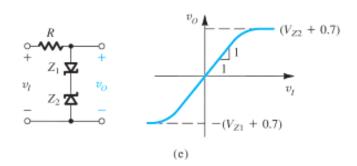
If $V_s > 2V_D n 1.4v$ then $V_0 = V_s - 2V_D$ If $V_s < -2V_D n - 1.4v$ then $V_0 = V_s + 2V_D$



For the gran crevits drow the transfer characteristics.







4.90 Sketch and clearly label the transfer characteristic of the circuit in Fig. P4.90 for $-15 \text{ V} \le v_I \le +15 \text{ V}$. Assume that

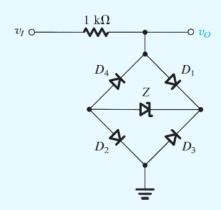


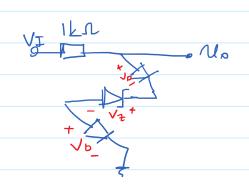
Figure P4.90

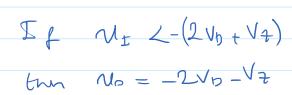
Assuming a voltage drop of No when the drodes are forward biased.

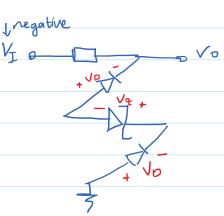
The over potential is 1/2.

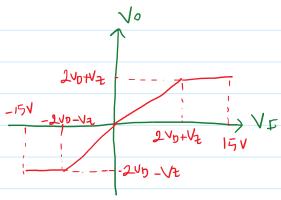
If
$$N_{\rm I} > 2N_{\rm D} + V_{\rm 2}$$

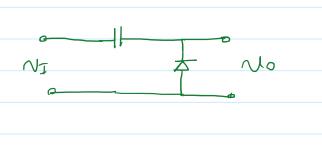
then $N_{\rm 0} = 2N_{\rm D} + V_{\rm 2}$

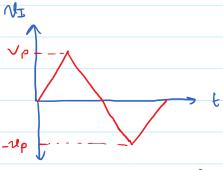












Plot t vs No. (Assumetrdrode is ideal)

