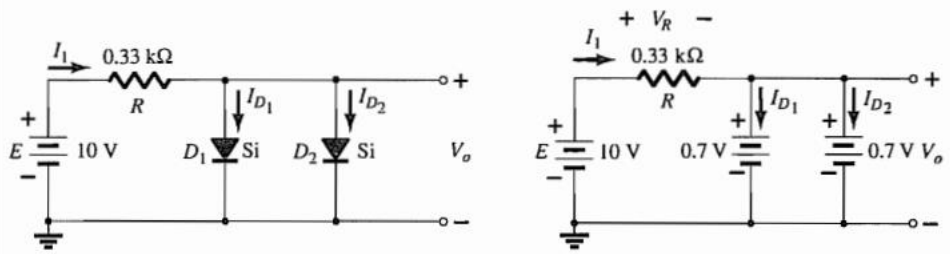
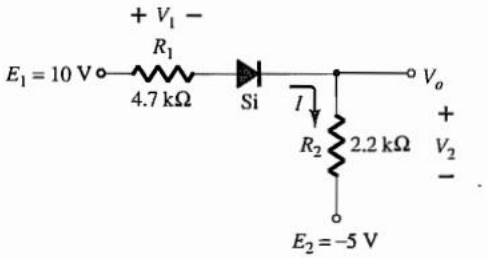
1.

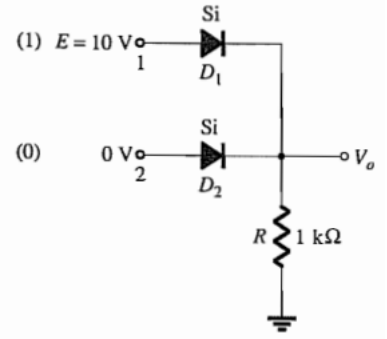
2. Determine V_o, I_1, I_{D_1}, and I_{D_2} for the parallel diode configuration of Fig.



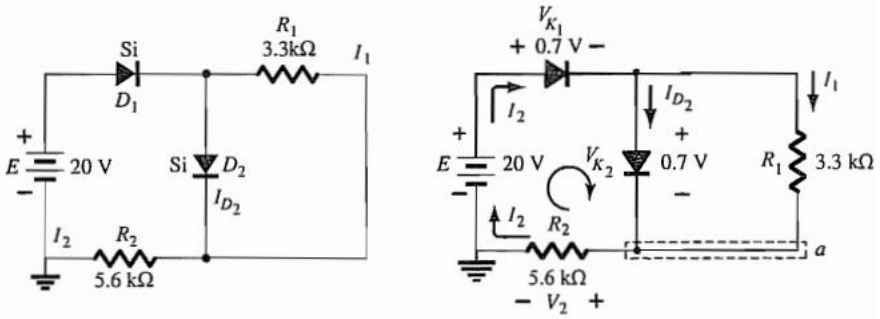
3. Determine I, V_1, V_2, and V_o for the series dc configuration of Fig.



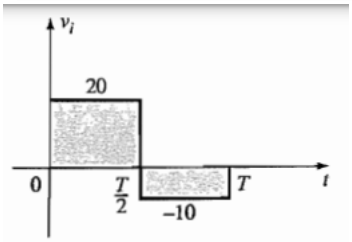
4. Determine V_o for the network of Fig.

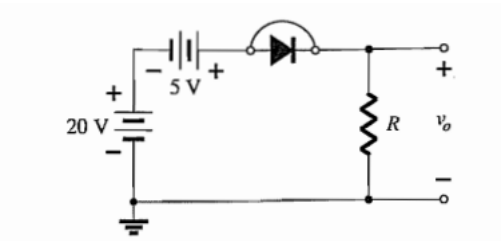


5. Determine the currents I_1, I_2, and I_{D_2} for the network of Fig.



Find the output voltage for the network examined in Example .1 if the applied signal is the square wave of Fig.





6. For a semiconductor diode, if forward current is 10mA at V_d= 0.3 V, then what is the forward current at V_d= 0.4 V. Ans: 545.98 mA.

7. If diode current made twice and V_T=25 mV, then find the voltage increase in the diode. Ans: 17.325 mV