

*30. Sketch v_o for the network of Fig. 2.174 and determine the dc voltage available.

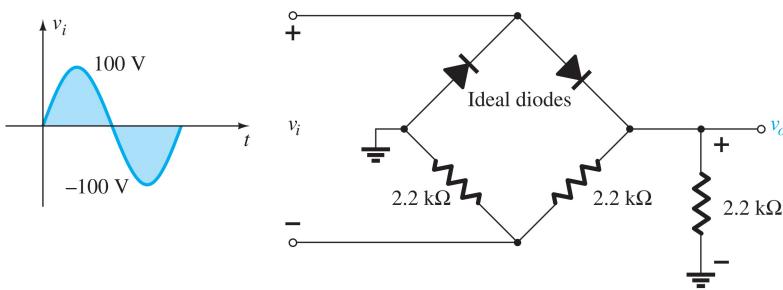


FIG. 2.174
Problem 30.

*31. Sketch v_o for the network of Fig. 2.175 and determine the dc voltage available.

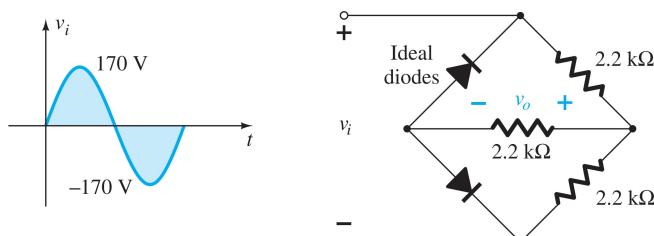


FIG. 2.175
Problem 31.

2.8 Clippers

32. Determine v_o for each network of Fig. 2.176 for the input shown.

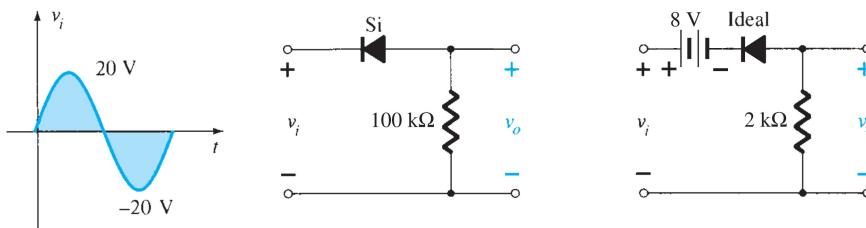


FIG. 2.176
Problem 32.

33. Determine v_o for each network of Fig. 2.177 for the input shown.

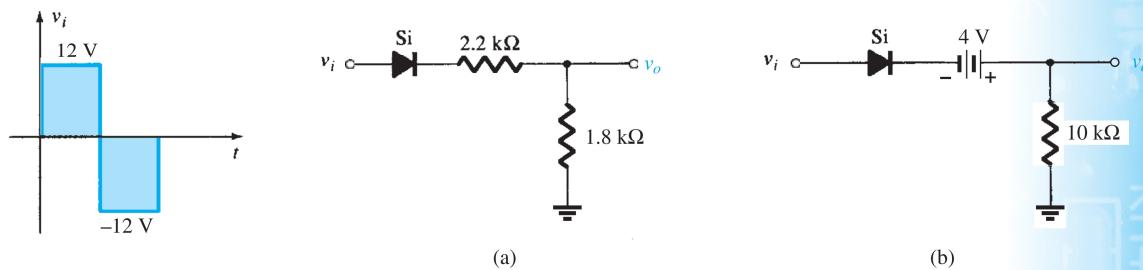


FIG. 2.177
Problem 33.

*34. Determine v_o for each network of Fig. 2.178 for the input shown.

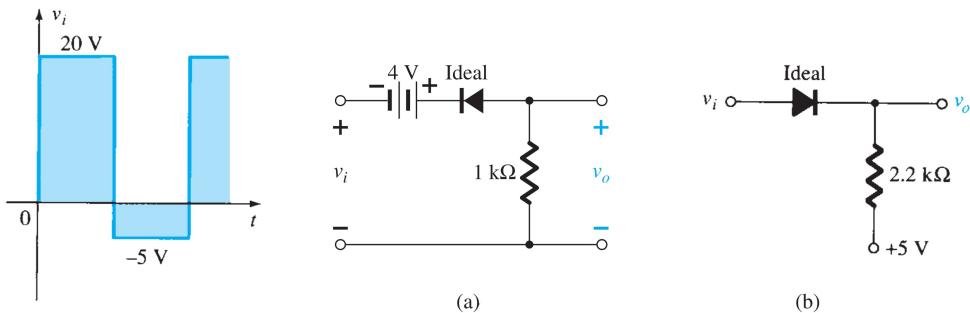


FIG. 2.178

Problem 34.

*35. Determine v_o for each network of Fig. 2.179 for the input shown.

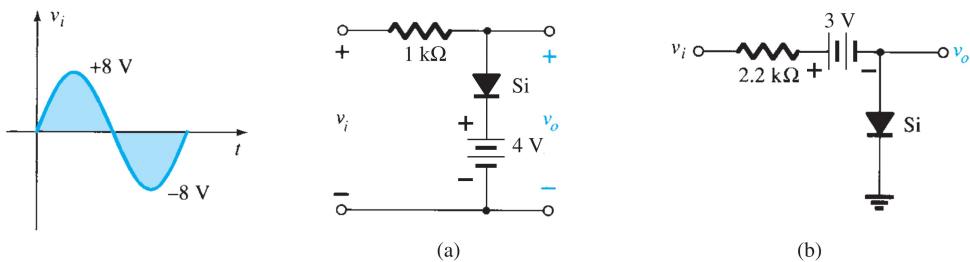


FIG. 2.179

Problem 35.

36. Sketch i_R and v_o for the network of Fig. 2.180 for the input shown.

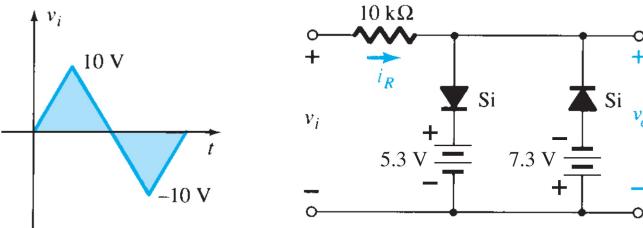


FIG. 2.180

Problem 36.

2.9 Clampers

37. Sketch v_o for each network of Fig. 2.181 for the input shown.

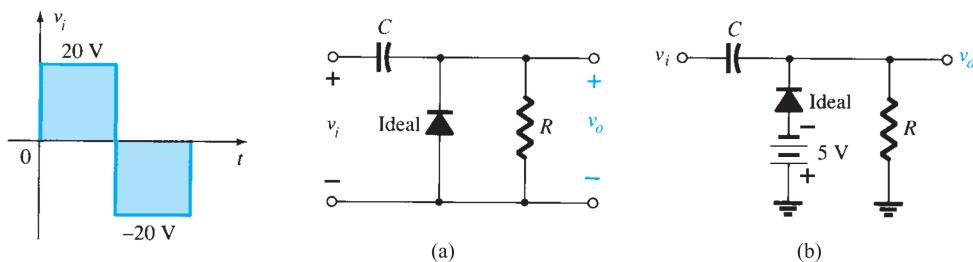


FIG. 2.181

Problem 37.

38. Sketch v_o for each network of Fig. 2.182 for the input shown.

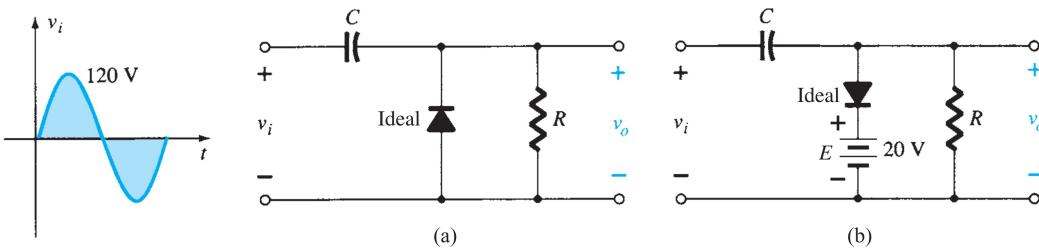


FIG. 2.182

Problem 38.

*39. For the network of Fig. 2.183:

- Calculate 5τ .
- Compare 5τ to half the period of the applied signal.
- Sketch v_o .

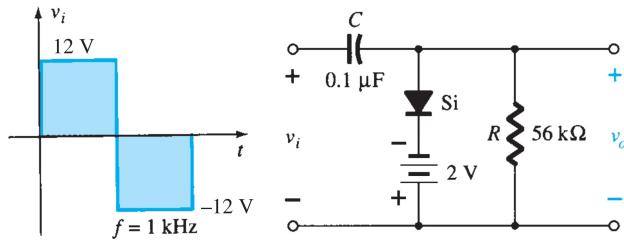


FIG. 2.183

Problem 39.

*40. Design a clamper to perform the function indicated in Fig. 2.184.

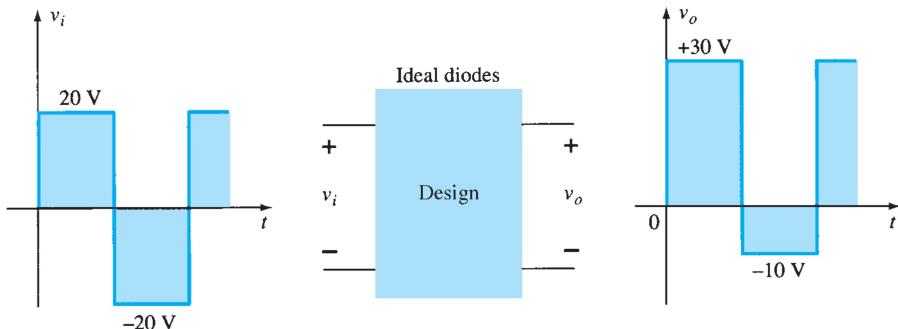


FIG. 2.184

Problem 40.

*41. Design a clamper to perform the function indicated in Fig. 2.185.

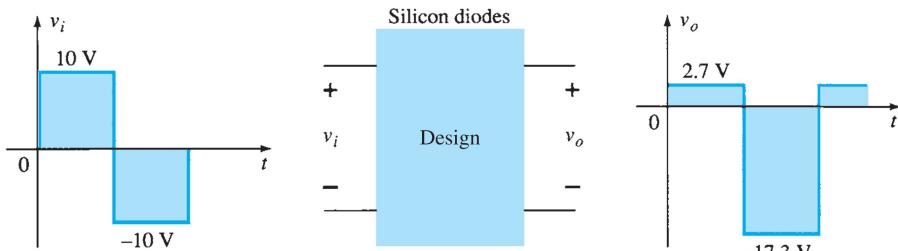


FIG. 2.185

Problem 41.