

ENEE236 CH7 Homework Problems

*10. For the network of Fig. 7.83, determine:

- I_D .
- V_{DS} .
- V_D .
- V_S .

*11. Find V_S for the network of Fig. 7.84.

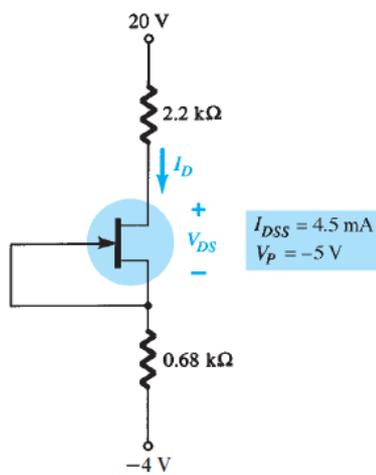


FIG. 7.83

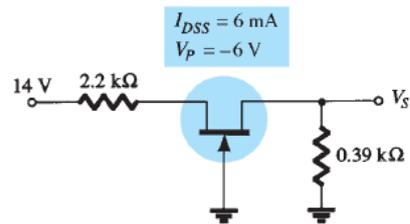


FIG. 7.84

15. Determine the value of R_S for the network of Fig. 7.87 to establish $V_D = 10\text{ V}$.

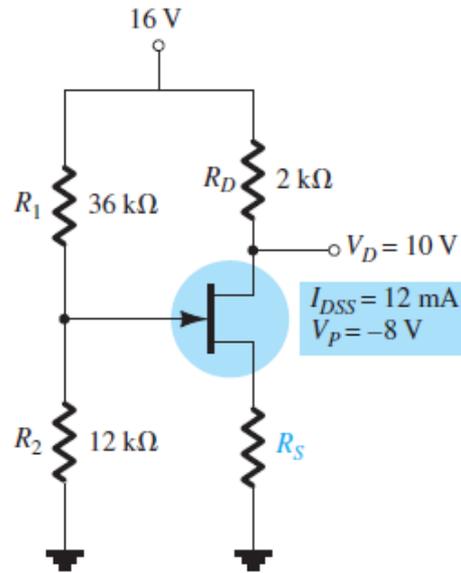


FIG. 7.87

*21. For the network of Fig. 7.93, determine:

- I_{DQ} and V_{GSQ} .
- V_{DS} and V_S .

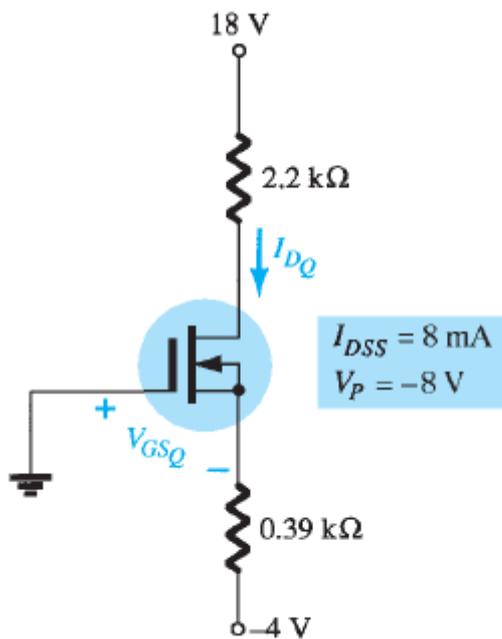


FIG. 7.93

22. For the network of Fig. 7.94, determine:

- I_{DQ}
- V_{GSQ} and V_{DSQ}
- V_D and V_S
- V_{DS}

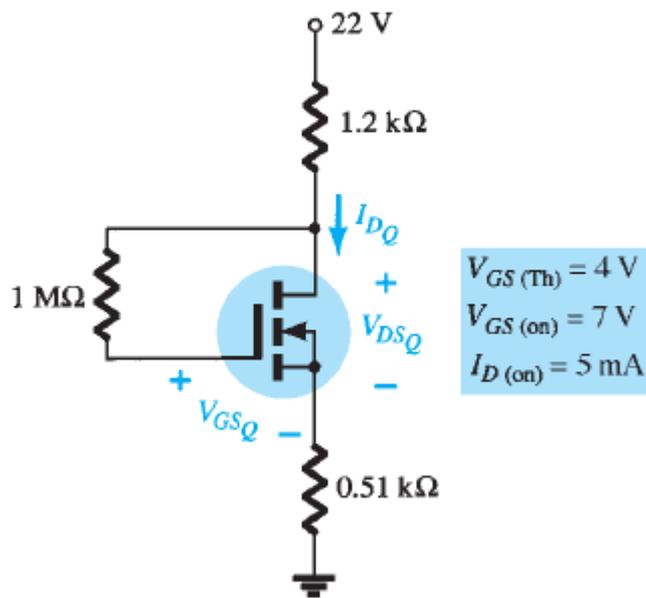


FIG. 7.94

*25. For the combination network of Fig. 7.97, determine:

- V_B and V_G .
- V_E .
- I_E , I_C , and I_D .
- I_B .
- V_C , V_S , and V_D .
- V_{CE} .
- V_{DS} .

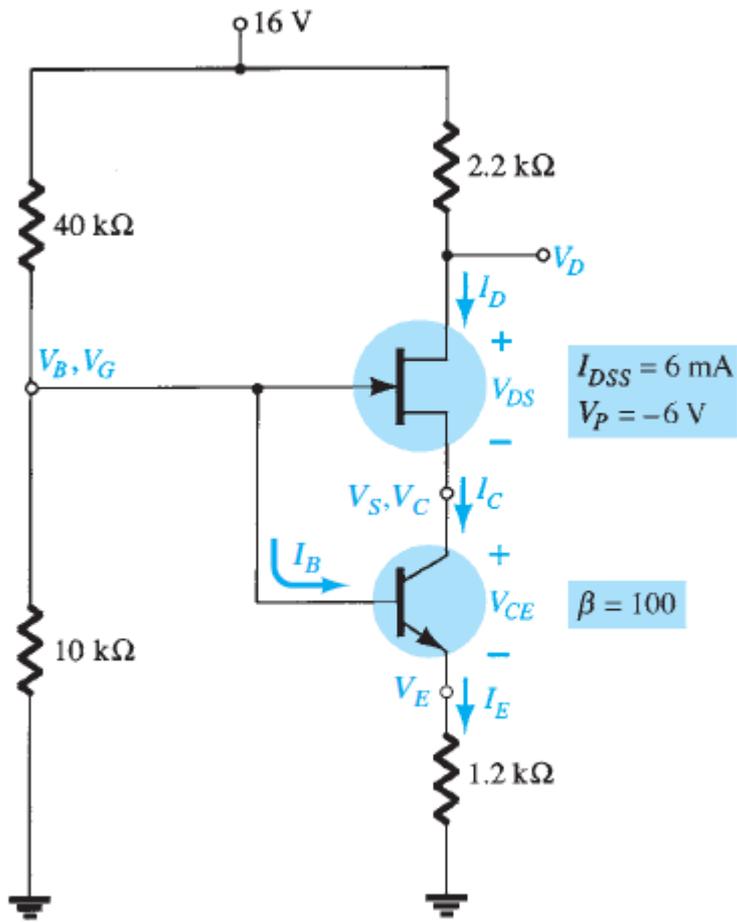


FIG. 7.97