

ENEE2360 CH5 Homework Problems

(BJT AC ANALYSIS)

12. For the network of Fig. 5.152, determine V_{CC} for a voltage gain of $A_v = -160$.

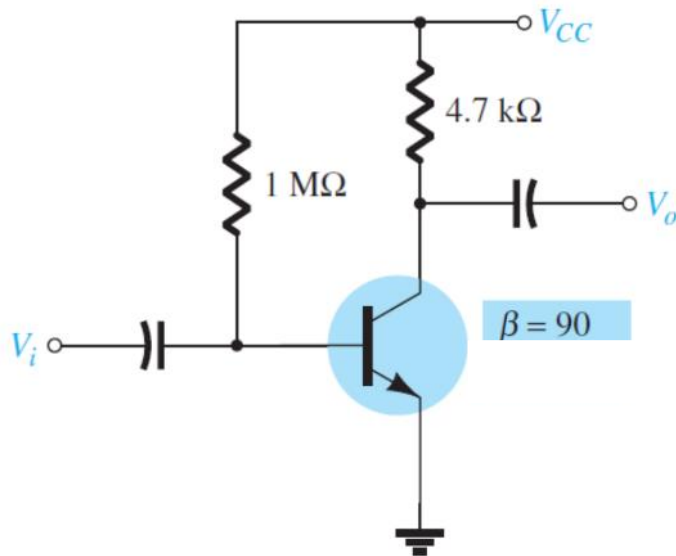


FIG. 5.152

25. For the network of Fig. 5.163:

- a. Determine Z_i and Z_o b. Find A_v

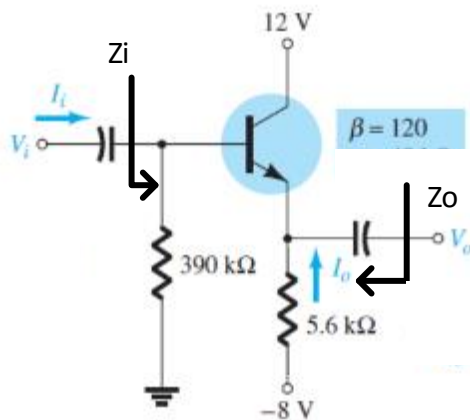


FIG. 5.163

26. For the network of Fig. 5.163:

a. Calculate I_C and I_B

b. Determine Z_i and Z_o

c. Find A_v

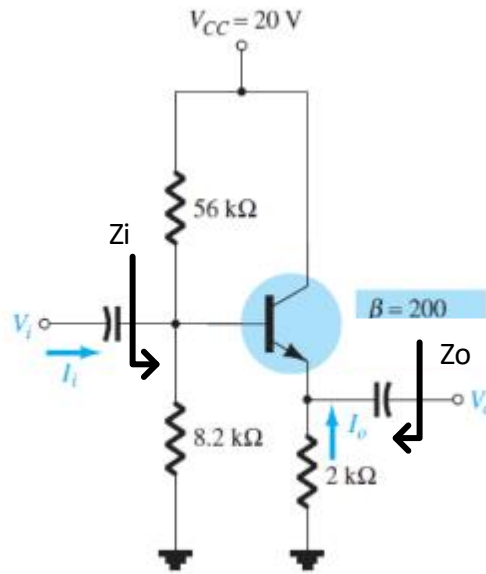


FIG. 5.164

40. For the emitter-stabilized network of Fig. 5.174

a. Find Z_o and Z_i

b. Find A_v and A_i

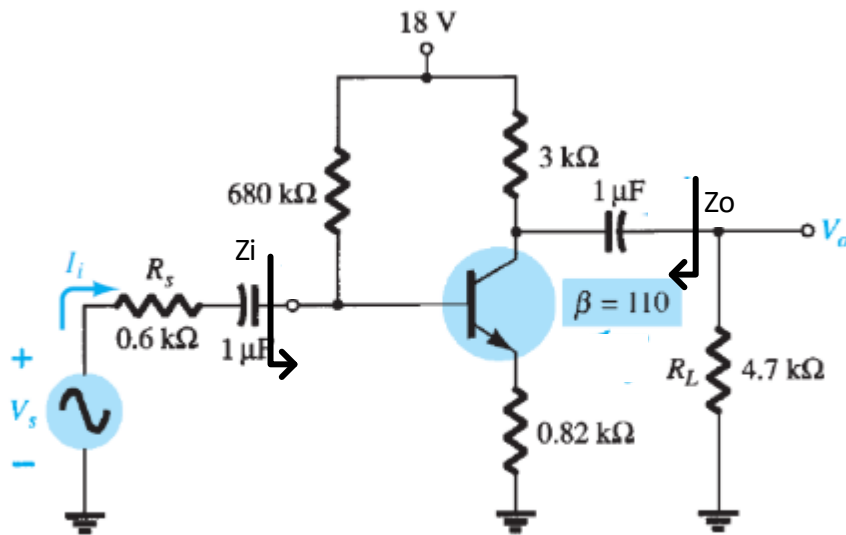


FIG. 5.174