

8.98 The BJTs in the Darlington follower of Fig. P8.98 have $\beta = 100$. If the follower is fed with a source having a $100\text{-k}\Omega$ resistance and is loaded with $1\text{ k}\Omega$, find the input resistance and the output resistance (excluding the load). Also find the overall voltage gain, both open-circuited and with load. Neglect the Early effect.

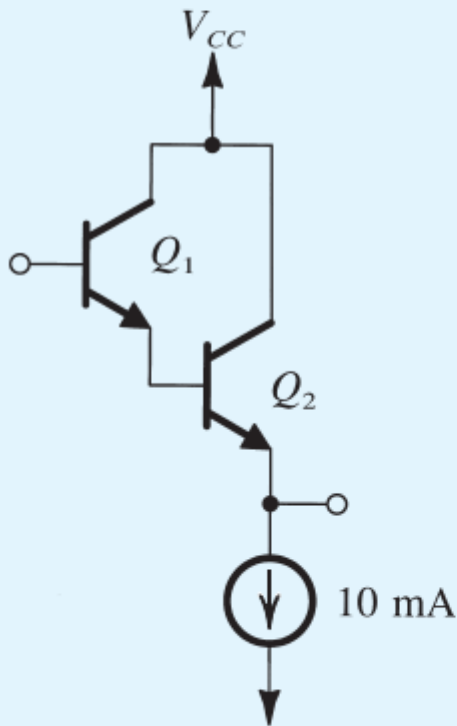


Figure P8.98