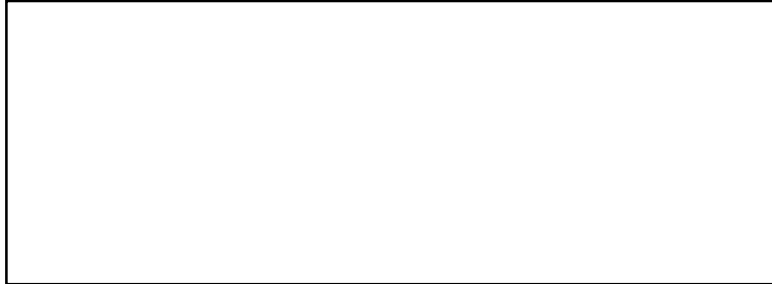


EXPERIMENT 5

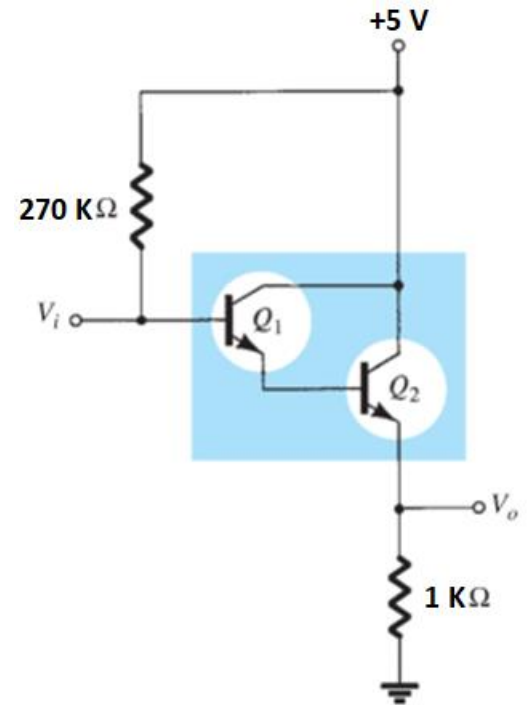
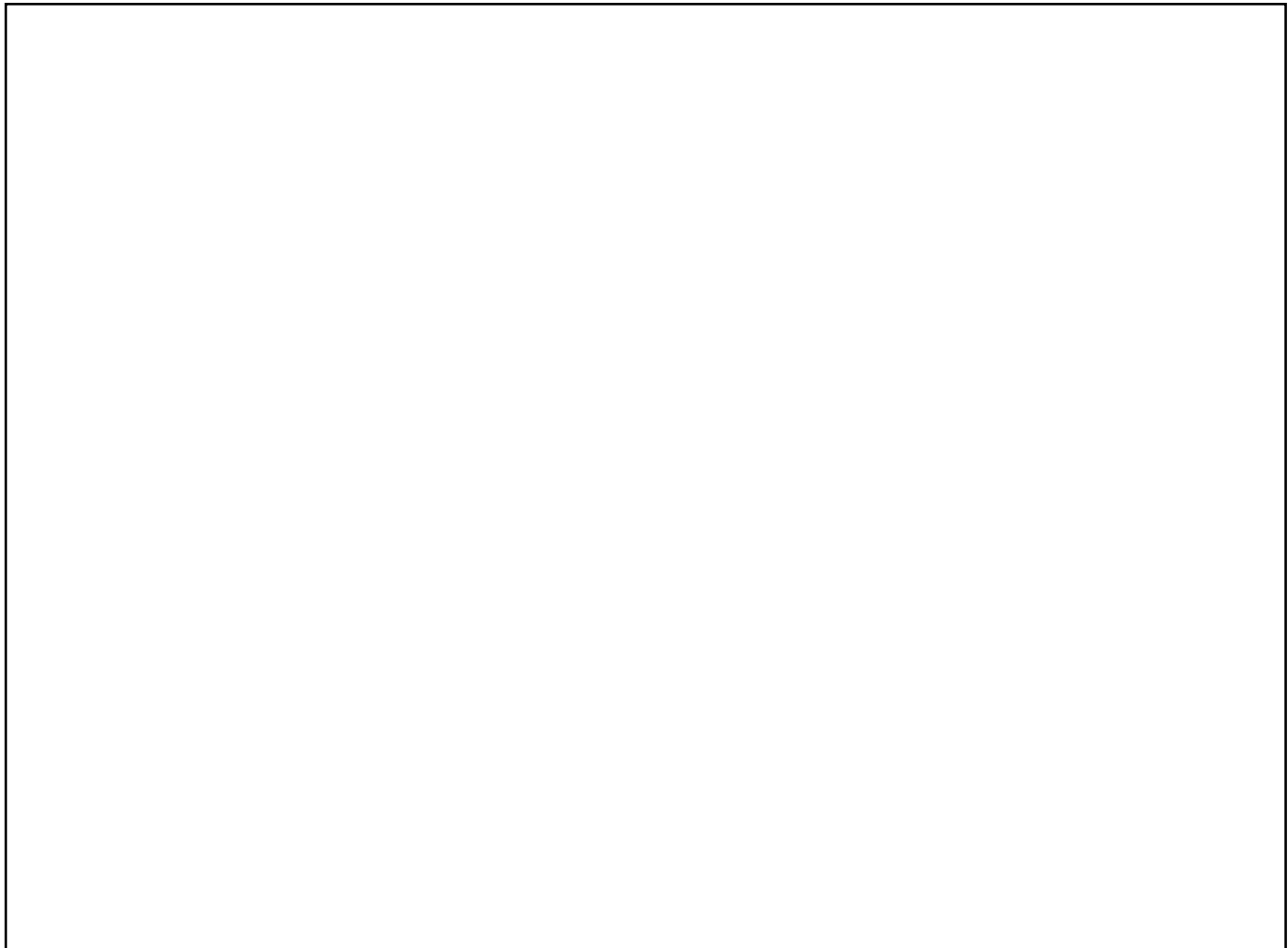
DC Analysis of Multistage BJT configurations

Setup the given **Darlington pair** circuit using the **BC237** transistors.

1.1. Measure the base current I_{B1} , collector current I_{C2} and collector-emitter voltage V_{CE2} .



1.2. Calculate same parameters using DC analysis theoretically.

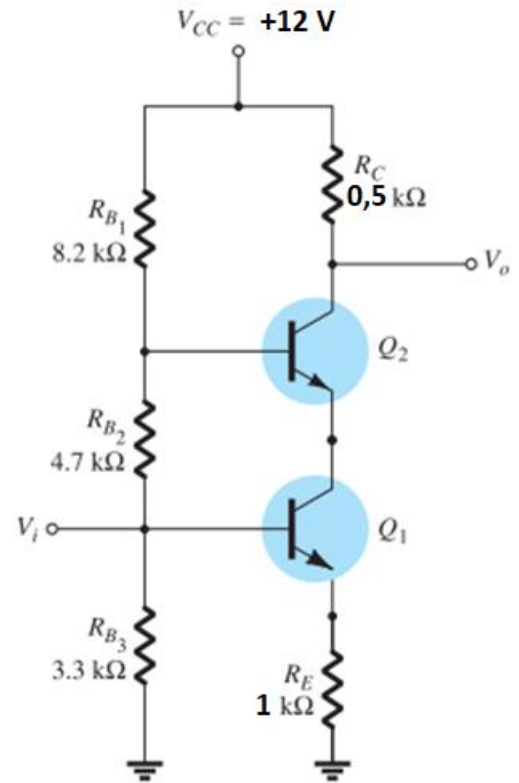
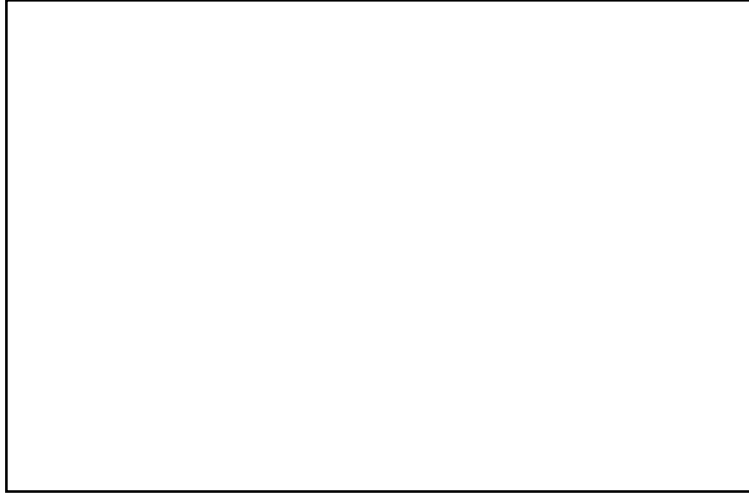


EXPERIMENT 5

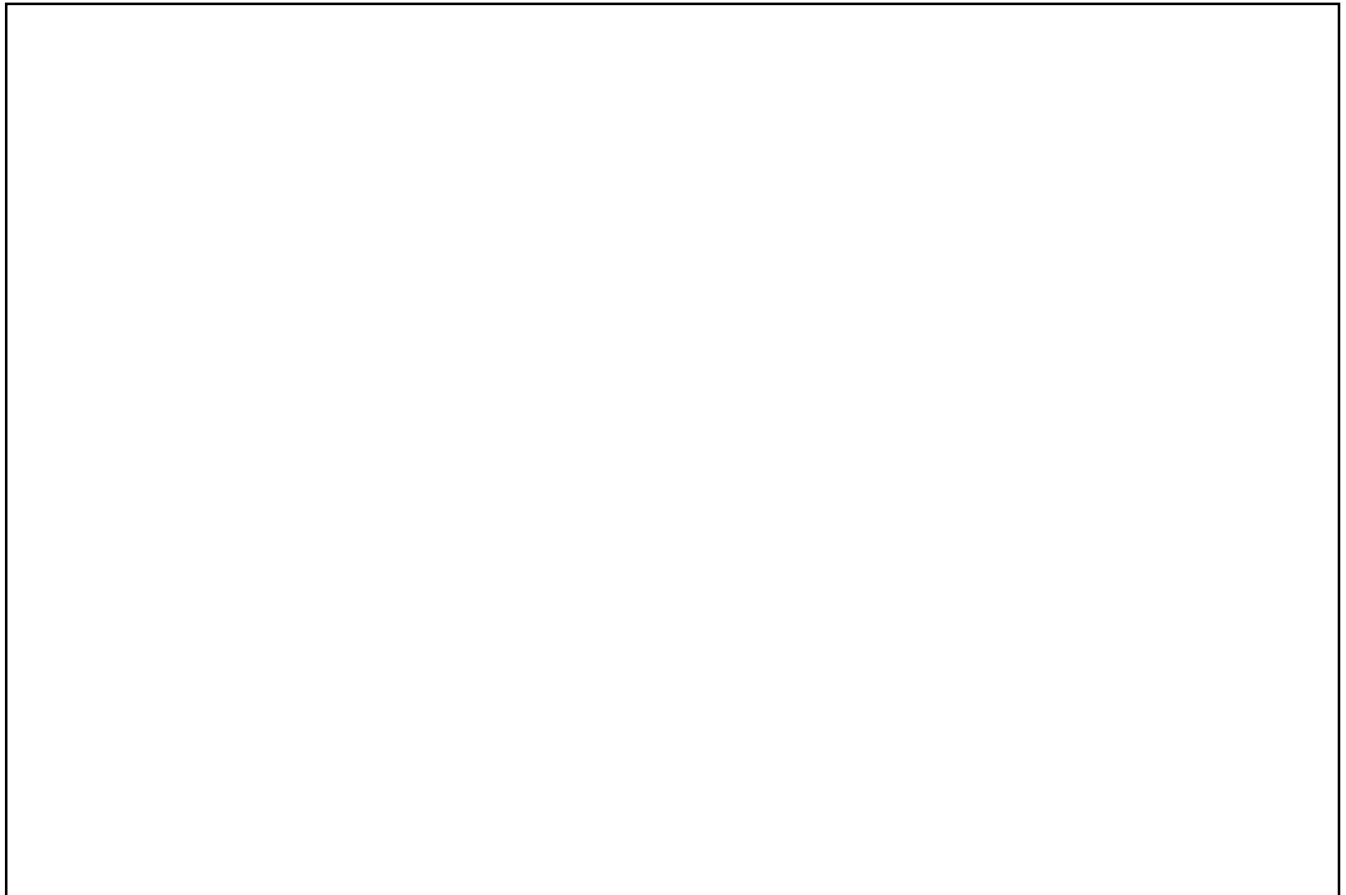
DC Analysis of Multistage BJT configurations

Setup the given **Cascode** circuit using the **BC237** transistors.

2.1. Measure the collector current I_C and voltages V_{B1} , V_{B2} , V_{E1} , V_{C1} , V_{C1} , and V_{C2} .



2.2. Calculate same parameters using DC analysis theoretically.

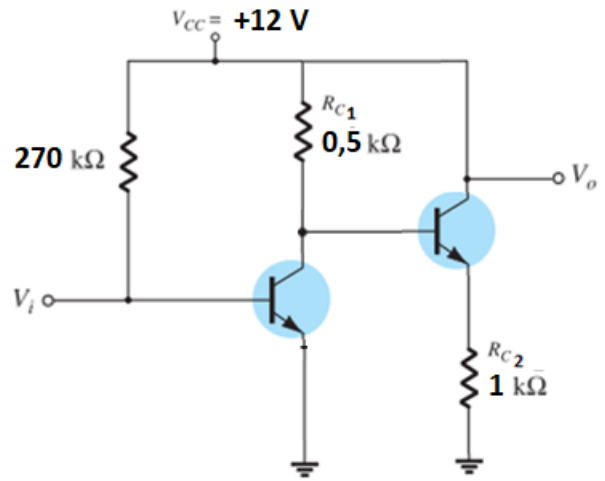
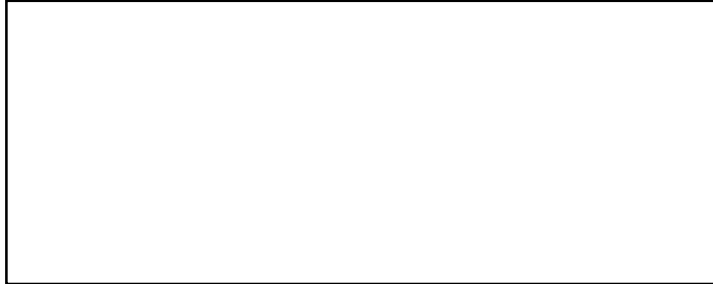


EXPERIMENT 5

DC Analysis of Multistage BJT configurations

Setup the given **Cascade** circuit using the **BC237** transistors.

3.1. Measure the emitter current I_E , collector current I_C , base voltage V_B , collector-emitter voltage V_{CE} .



3.2. Calculate same parameters using DC analysis theoretically.

