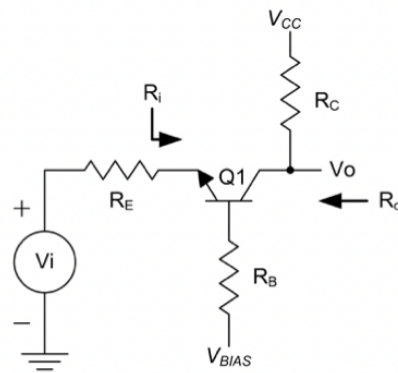
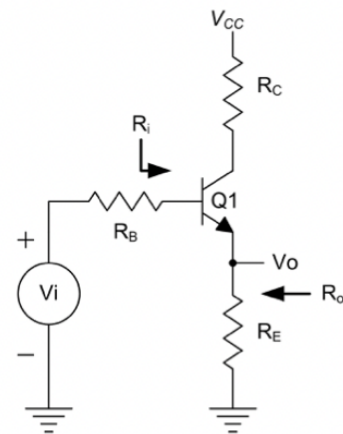


Common-emitter
amplifier (CE)



Common-base
amplifier (CB)

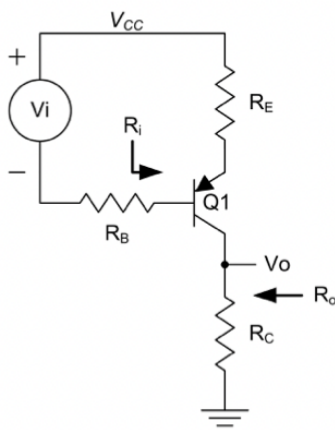


Common-collector
amplifier (CC)

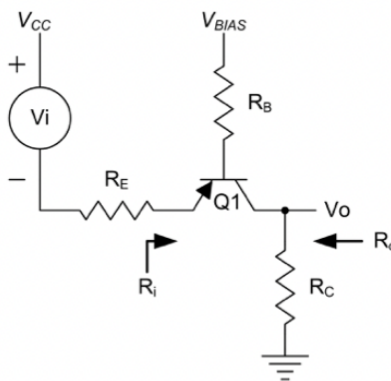
BJTs have 3 terminals, but two-ports need 4 terminals,
so 1 terminal is shared between the input & output ports

*The type of amplifier is completely determined by where
the input is applied and where the output is measured!*

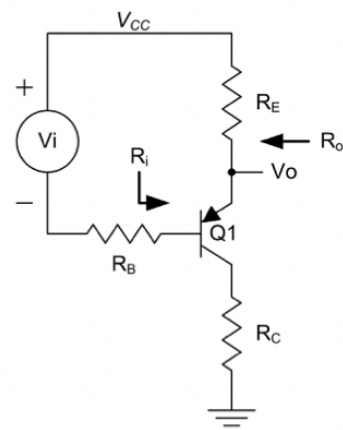
- e.g., if input = base and output = collector → emitter is common!



Common-emitter
amplifier (CE)



Common-base
amplifier (CB)



Common-collector
amplifier (CC)

Same circuit topologies used for both NPN's and PNP's

- Other possible circuit topologies are typically not used since the collector makes a poor input and the base makes a poor output