We know that for an npn BJT in cutoff, both the BEJ and CBJ will be reverse biased. In other words:

\[ v_{B} - v_{E} \equiv v_{BE} < 0.0 \ V \quad \text{and} \quad v_{C} - v_{B} \equiv v_{CB} > 0.0 \ V \]

If both p-n junctions (CBJ and EBJ) are reverse biased, then no current will flow! I.E.:

\[ i_{B} = i_{C} = i_{E} = 0.0 \ \text{for a BJT in Cutoff} \]