$$|\psi\rangle = \alpha|0\rangle + \beta|1\rangle$$

Basis Result

 Z
 $\square + 1$
 $Prob\{+1\} = |\alpha|^2 \rightarrow \text{ state is } |0\rangle$
 $Prob\{-1\} = |\beta|^2 \rightarrow \text{ state is } |1\rangle$