```
Initial state: 1.0|0> + 0.0|1>
Final state: 1.0 0> + 0.0 1>
Percentage of 0's measured: 1.0
Percentage of 1's measured: 0.0
Initial state: 0.0|0> + 1.0|1>
Invalid Operator.
Initial state: 1.0|0> + 0.0|1>
Final state: 0.7071067811865475|0> + 0.7071067811865475|1>
Percentage of 0's measured: 0.5
Percentage of 1's measured: 0.5
Initial state: 0.0|0> + 1.0|1>
Final state: 0.0|0> + -0.9999999999999998|1>
Percentage of 0's measured: 0.0
Percentage of 1's measured: 1.0
Initial state: 0.6|0> + 0.8|1>
Percentage of 0's measured: 0.5
Percentage of 1's measured: 0.5
Initial state: 0.7071067811865475 | 0> + 0.7071067811865475 | 1>
Final state: 0.0|0> + 0.999999999999998|1>
Percentage of 0's measured: 0.0
Percentage of 1's measured: 1.0
Invalid probability amplitude(s).
In [388]:
```