One Hadamard Gate
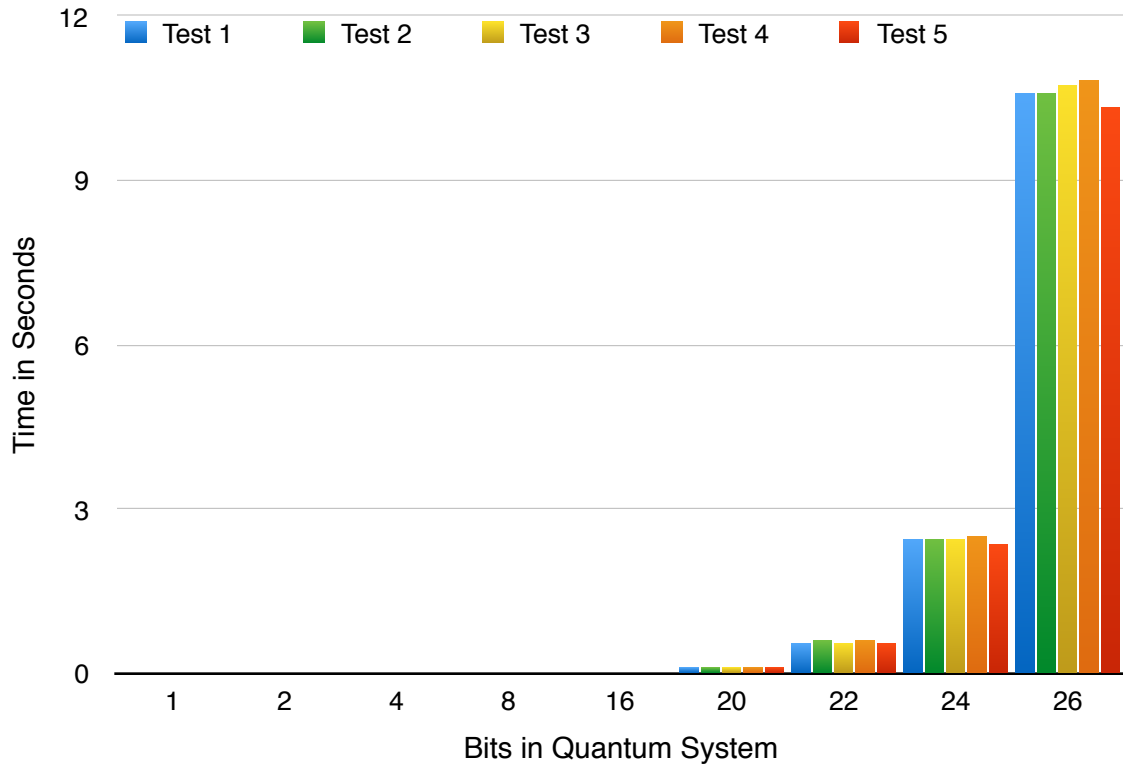

One Hadamard Gate and then Measured

Hadamard on Every Bit

Hadamard on Every Bit and Measured

Grover's Algorithm

Multiple Hadamard Gates

Multiple Hadamard Gates

Time in Seconds

Bits in Quantum System

Test 1 Test 2 Test 3 Test 4 Test 5

One Hadamard Gate

Time in Seconds

Bits in Quantum System

Test 1 Test 2 Test 3 Test 4 Test 5

One Hadamard Gate

Time in Seconds

0.005 — 0.004 — 0.003 — 0.001 — 0

■ Test 1 ■ Test 2 ■ Test 3 ■ Test 4 ■ Test 5

Bits in Quantum System: 1, 2, 4, 8, 16

Multiple Hadamard Gates and Measured

Time in Seconds

12 — 9 — 6 — 3 — 0

■ Readable ■ Unreadable

Bits in Quantum System: 1, 2, 4, 8, 16, 20, 22, 24, 26

Multiple Hadamard Gates and Measured

■ Readable   ■ Unreadable

Time in Seconds

0.013
0.01
0.007
0.003
0

Bits in Quantum System

1   2   4   8   16

One Hadamard Gate and Measured

■ Readable   ■ Unreadable

Time in Seconds

0.9
0.675
0.45
0.225
0

Bits in Quantum System

1   2   4   8   16   20   22   24   26

One Hadamard Gate and Measured

Grover's Algorithm

Grover's Algorithm

Legend: ■ Readable ■ Unreadable

Y-axis: Time in Seconds (0, 0.006, 0.011, 0.017, 0.022)

X-axis: Bits in Quantum System (2, 4, 8)