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Result 5dd3e3224adbd600182f9e52

Type	Provider	No. Circuits	Credits	Created
Composer	ibm-q/open/main	1	3	Nov 19, 2019 12:42 PM

✓ Created	✓ Transpiling 1.1s	✓ Validating 769ms	✓ In queue 52m 25.5s	✓ Running 8.6s	✓ Completed
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Run details

Backend	Shots	Status	Time taken	Last Update
ibmq_vigo	1024	COMPLETED	52m 36.6s	Nov 19, 2019 1:34 PM

Circuit diagram



Original circuit diagram

```
1 // Name of Experiment: ibm_Toffoli_0+1=2+3=4
2 include "qelib1.inc";
3 qreg q[5];
4 creg c[5];
5 x q[0];
6 x q[1];
7 x q[3];
8 id q[2];
9 h q[2];
10 cx q[1],q[2];
11 tdg q[2];
12 cx q[0],q[2];
13 tdg q[2];
14 cx q[1],q[2];
15 tdg q[2];
16 cx q[0],q[2];
17 tdg q[1];
   tdg q[2];
```

```
21  h q[1];
22  h q[2];
23  cx q[1],q[2];
24  h q[1];
25  h q[2];
26  cx q[1],q[2];
27  cx q[0],q[2];
28  tdg q[2];
29  tdg q[0];
30  cx q[0],q[2];
31  cx q[1],q[2];
32  h q[1];
33  h q[2];
34  cx q[1],q[2];
35  h q[1];
36  h q[2];
37  cx q[1],q[2];
38  id q[4];
39  h q[4];
40  cx q[3],q[4];
41  tdg q[4];
42  cx q[2],q[4];
43  tdg q[4];
44  cx q[3],q[4];
45  tdg q[4];
46  cx q[2],q[4];
47  tdg q[3];
48  tdg q[4];
49  h q[4];
50  cx q[3],q[4];
51  h q[3];
52  h q[4];
53  cx q[3],q[4];
54  h q[3];
55  h q[4];
56  cx q[3],q[4];
57  cx q[2],q[4];
58  tdg q[4];
59  tdg q[2];
60  cx q[2],q[4];
61  cx q[3],q[4];
62  h q[3];
63  h q[4];
```

```
66 h q[4];  
67 cx q[3],q[4];  
68 measure q[4] -> c[4];  
69 measure q[3] -> c[3];  
70 measure q[2] -> c[2];  
71 measure q[1] -> c[1];  
72 measure q[0] -> c[0];  
73
```

Result

Displaying a subset of the 32 counts. Download the result to see the full details.

Histogram

