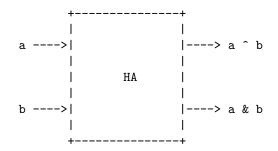
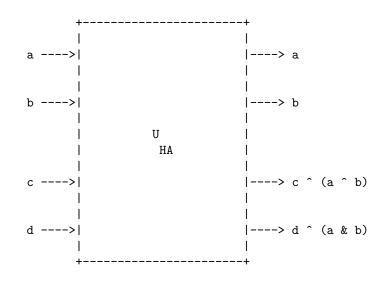
1 Reversible Half Aadder

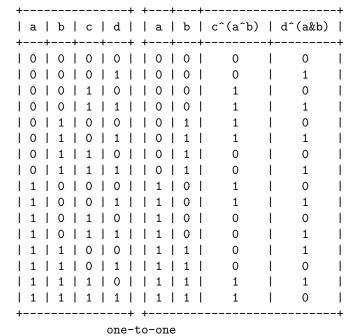
Half-Adder:



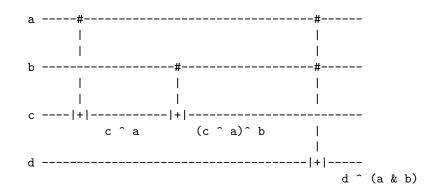
+-								-+
١	a	1	b	1	a^b	١	a&b	١
+-		- -		- -				-
1	0	1	0	1	0	1	0	1
1	0	1	1	1	1	1	0	1
1	1	1	0	1	1	1	0	1
1	1	1	1	1	0	1	1	1
+-								+

reversible:





quantum-circuit:



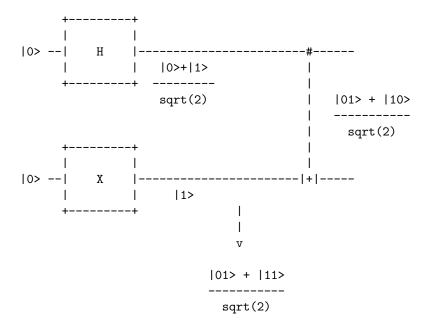
2 Hamming Code

https://github.com/bchatterjee99/quantum/blob/master/hamming.c

3 qtrng

https://github.com/bchatterjee99/quantum/blob/master/qtrng.py

4 Entanglement



https://github.com/bchatterjee99/quantum/blob/master/entangled.py