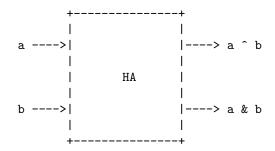
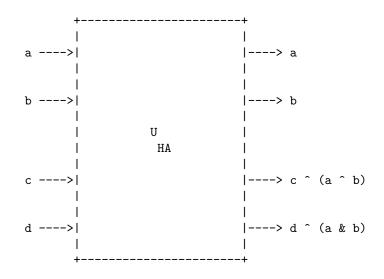
1 Reversible Half Adder

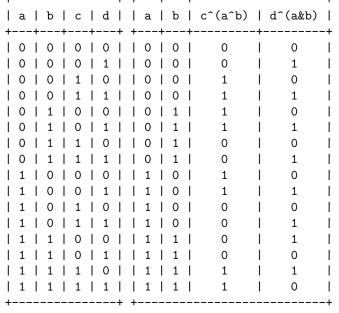
Half-Adder:



+-								-+
I	a	I	b	I	a^b	I	a&b	Ī
+-		- -		- -				-
	0		0		0	1	0	1
	0		1		1	1	0	1
1	1	1	0	1	1	1	0	1
	1		1		0	1	1	1
+-								+

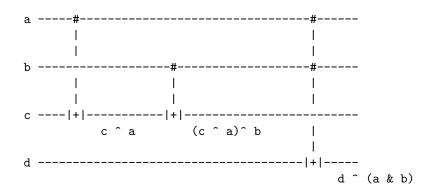
reversible:





one-to-one

quantum-circuit:



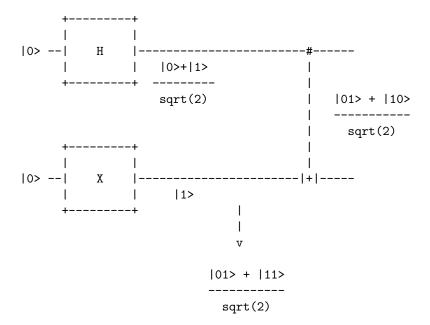
2 Hamming Code

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