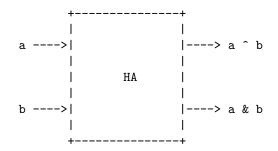
# 1 Reversible Half Aadder

### Half-Adder:

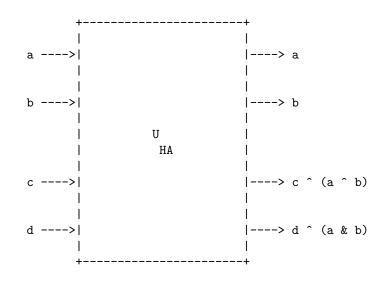
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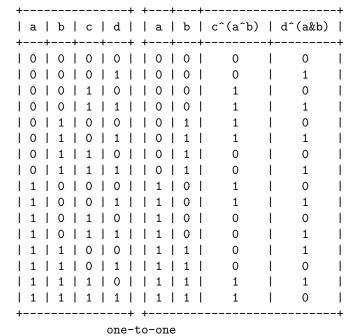


+-								-+
١	a	1	b	1	a^b	١	a&b	١
+-		- -		- -				-
1	0	1	0	1	0	1	0	1
1	0	1	1	1	1	1	0	1
1	1	1	0	1	1	1	0	1
1	1	1	1	1	0	1	1	1
+-								+

#### reversible:

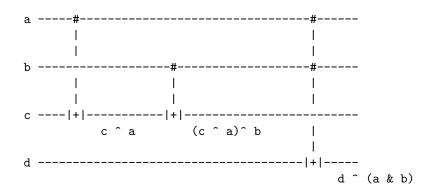
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### quantum-circuit:

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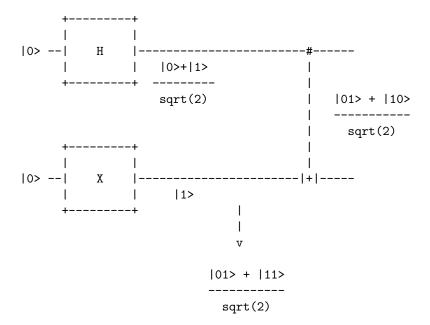
# 2 Hamming Code

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