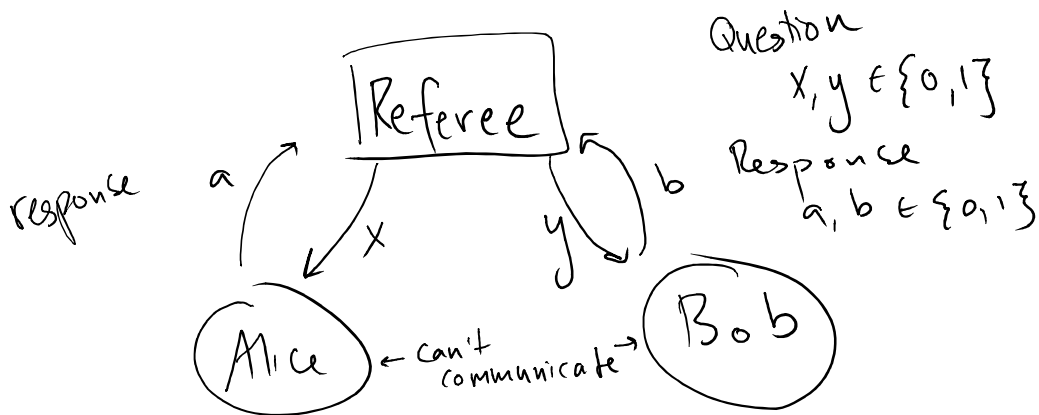


More Qubits!

One qubit at a time \rightarrow better crypto

Two " " \rightarrow better game playing



Alice & Bob win if $x \wedge y = a \oplus b$

x	y	$x \wedge y$	$a \oplus b$
0	0	0	0
0	1	0	0
1	0	0	0
1	1	1	1

Q: Figure out the best strategy for Alice and Bob, averaged over choice of x, y , chosen uniformly at random

A: Best strategy, always choose $a=0$ $b=0$. Will win 75% of time