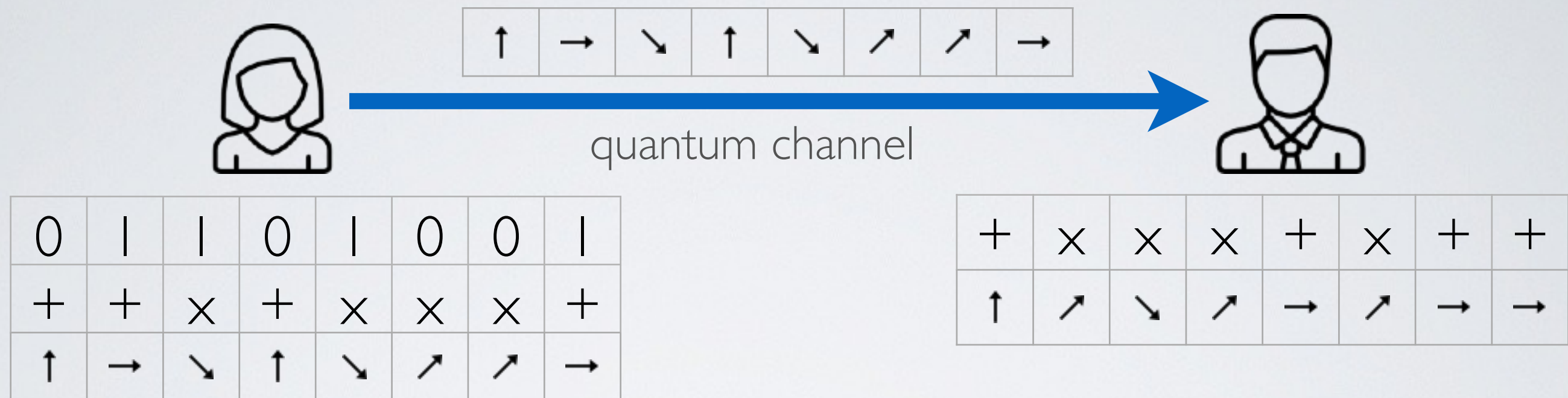


Quantum Key Distribution - step I



- I. Alice creates:
 - I. a sequence of random sequence of bits
 - II. a sequence of random sequence of basis
 - III. a sequence of random sequence of polarized photons corresponding to the basis
2. Alice sends the photon sequence to Bob over the quantum channel
3. Bob selects a random sequence of basis
4. Bob measures Alice's sequence of photons using his basis

Quantum Key Distribution - step 2



0		1			0		1
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0		1			0		1
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5. Alice and Bob exchange their sequence of basis on the public channel
6. The basis that are commonly correct are used to generate the key