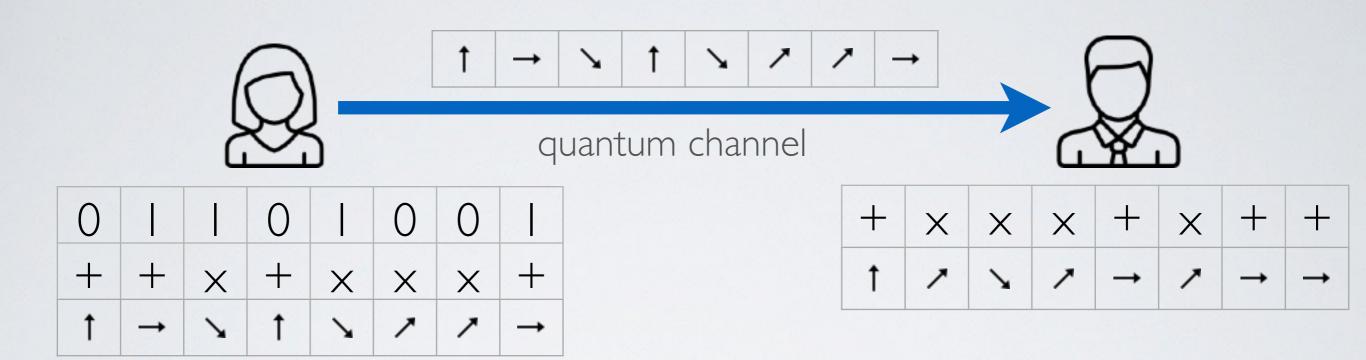
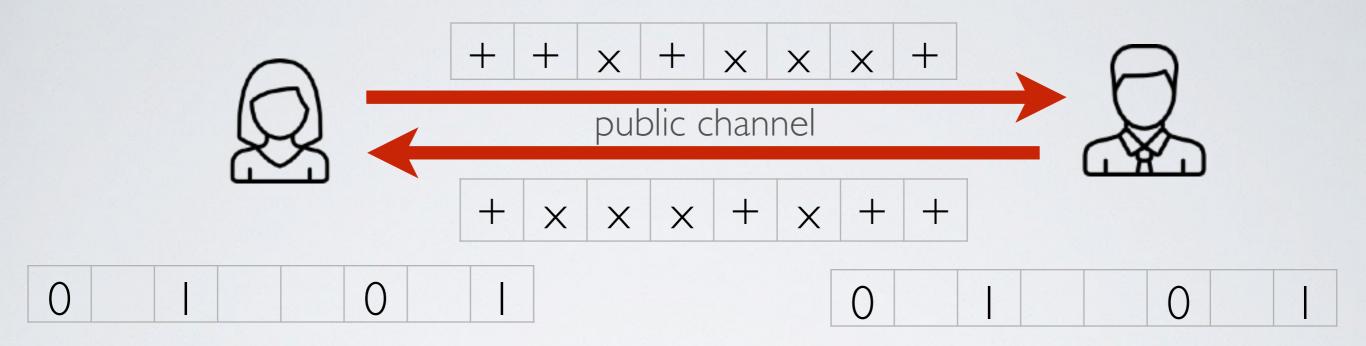
## Quantum Key Distribution - step I



- 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



- 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