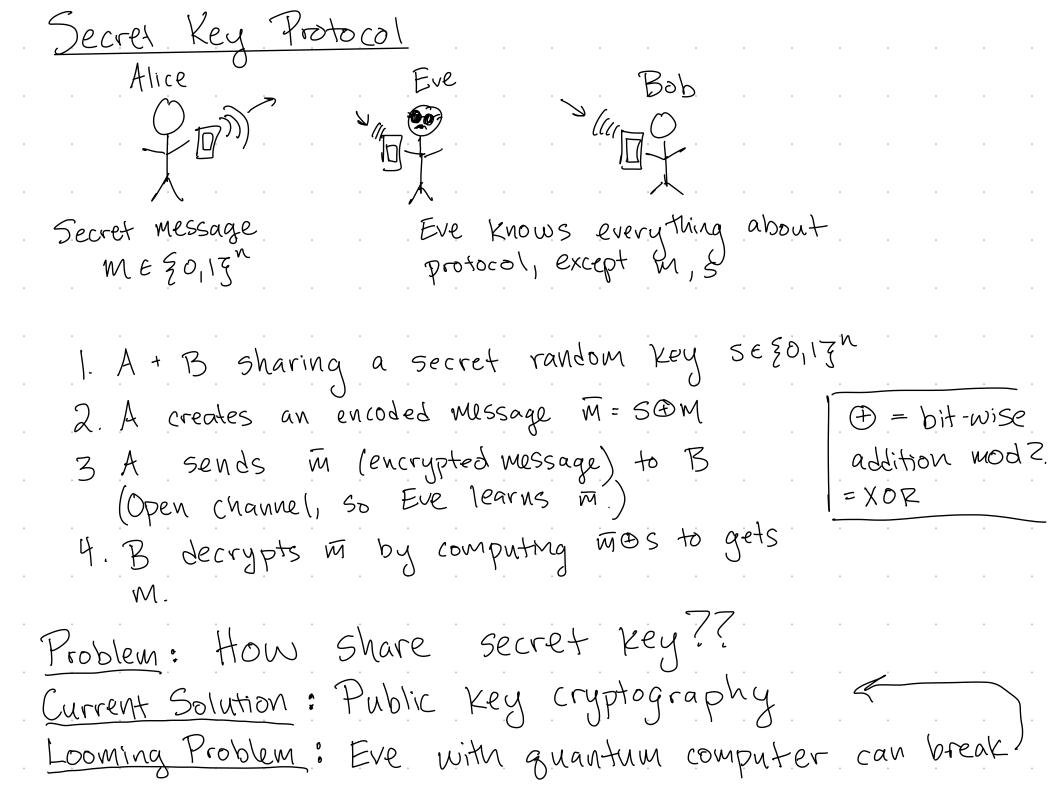
## Learning Goals Predict outcome of quantum polarization measurements Describe classical Secret Key protocol

- · Understand key terms: encode/encrypt, decode/decrypt, secret key, encoded message
- · Describe BB84 quantum crypto protocol and why it is secure

  <u>Announcements</u>

## Exit Tickets



When one door closes, another door opens
Public Key Quantum Crypto Prot.
To do guantum crypto, need quantum particles:
photons => individual particles of light
Fast
Easily lost
(i) Hard to create + to detect
Polarizer Demo: If insert diagonal filter between horizontal
and vertical polarizers, how much light will come through? (Bulb produces 1020 photons/sec each with random polarization.)
Compas 1055 Man Some Mana Mana Mana

A. no diag. B. Single filter C. Same as D. More than Single filter Single filter