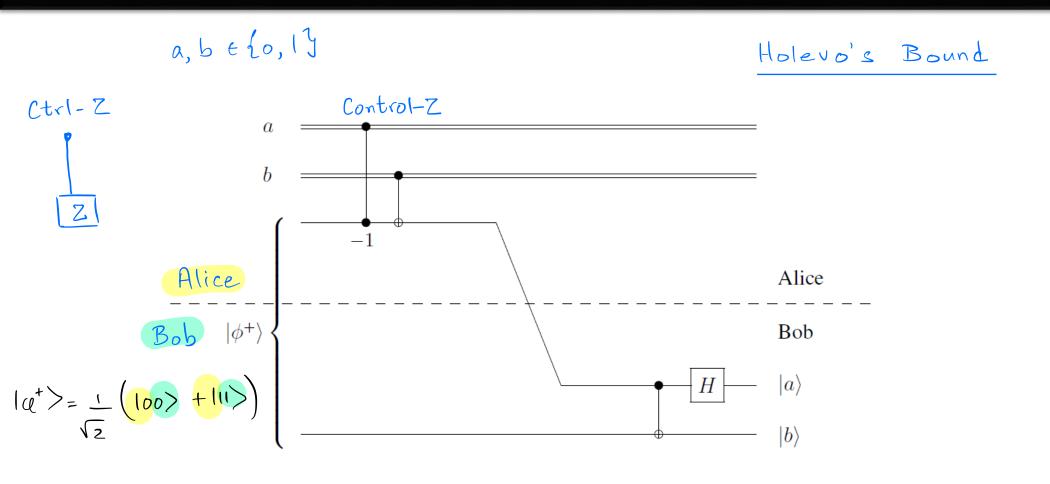
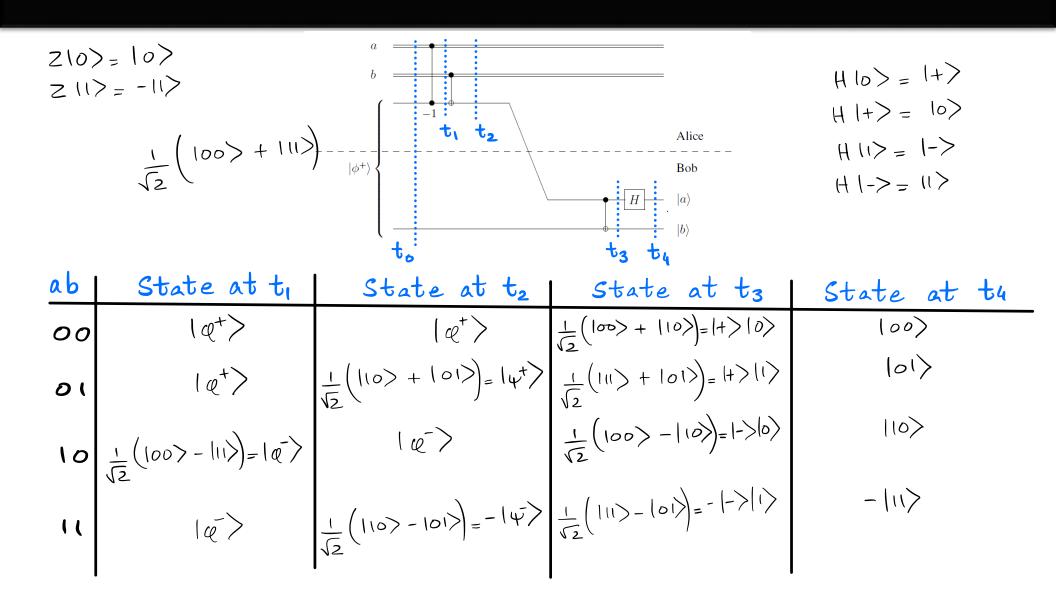
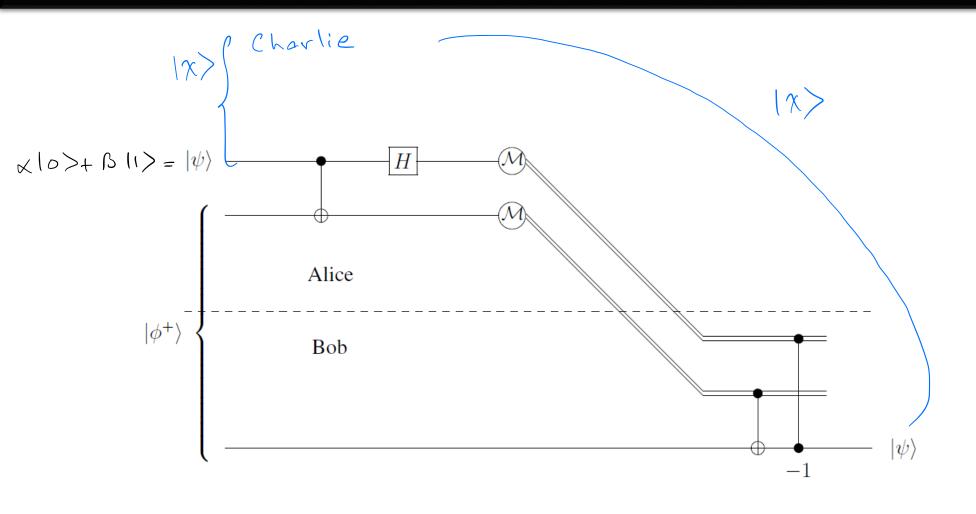
Superdense Coding



Superdense Coding



Quantum Teleportation



Quantum Teleportation

$$|\psi\rangle\otimes|\psi^{+}\rangle = (\kappa|o\rangle + \beta|l\rangle)\left(\frac{1}{\sqrt{2}}(l\sigma\sigma\rangle + ll\rangle)\right)$$

$$= \frac{1}{\sqrt{2}}\left(\kappa|\sigma\sigma\rangle + \kappa|ol\rangle + \beta|l\sigma\rangle + \beta|ll\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\kappa|\sigma\sigma\rangle + \kappa|ol\rangle + \beta|l\sigma\rangle + \beta|l\sigma\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\kappa|\sigma\sigma\rangle + \kappa|ol\rangle + \beta|l\sigma\rangle + \beta|l\sigma\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\kappa|\sigma\sigma\rangle + \kappa|\sigma\rho\rangle + \kappa|\sigma\rho\rangle + \kappa|\sigma\rho\rangle + \beta|\sigma\rho\rangle + \beta|\sigma\rho\rangle + \beta|\sigma\rho\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \kappa|\sigma\rho\rangle + \kappa|\sigma\rho\rangle + \beta|\sigma\rho\rangle\right) + \delta|\sigma\rho\rangle\left(\kappa|\sigma\rangle - \beta|\sigma\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \beta|\sigma\rangle\right) + \delta|\sigma\rangle\left(\kappa|\sigma\rangle + \beta|\sigma\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \beta|\sigma\rangle$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \beta|\sigma\rangle\right)$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \beta|\sigma\rangle$$

$$= \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \frac{1}{\sqrt{2}}\left(\sigma\sigma\rangle + \frac{$$

Comparison

