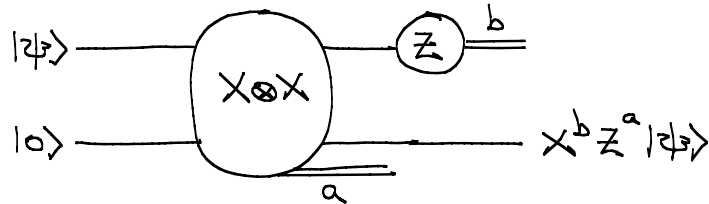


Homework Problem 2.5
(10 points)

Due Tuesday, October 6
(at lecture)

2.5 Measurement circuits.

(a) The measurement-based teleportation circuit that is the basis for applying a single-qubit unitary is shown below. By tracking the quantum state through the circuit, show that the circuit works as advertised.



(a) The measurement circuit that applies a C-SIGN is shown below. By tracking the quantum state through the circuit, show that the circuit works as advertised.

