



Alice program

```
q1 = Entangle(Bob)

q1.rot_x(pi)
m = measure(q1)

send(m, Bob)
```

Bob program

```
q1 = Entangle(Alice)
q2 = Qubit()

q1.rot_x(pi)
q1.cnot(q2)

m = receive(Alice)

q2.rot_x(m)

measure(q1)
measure(q2)
```