

John. A. A. A.

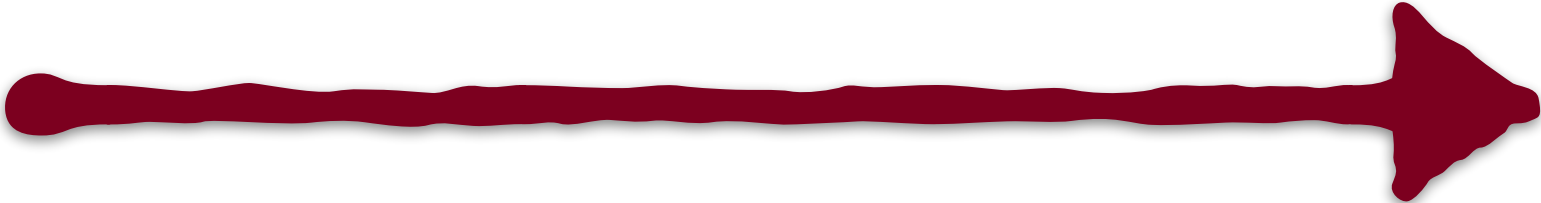




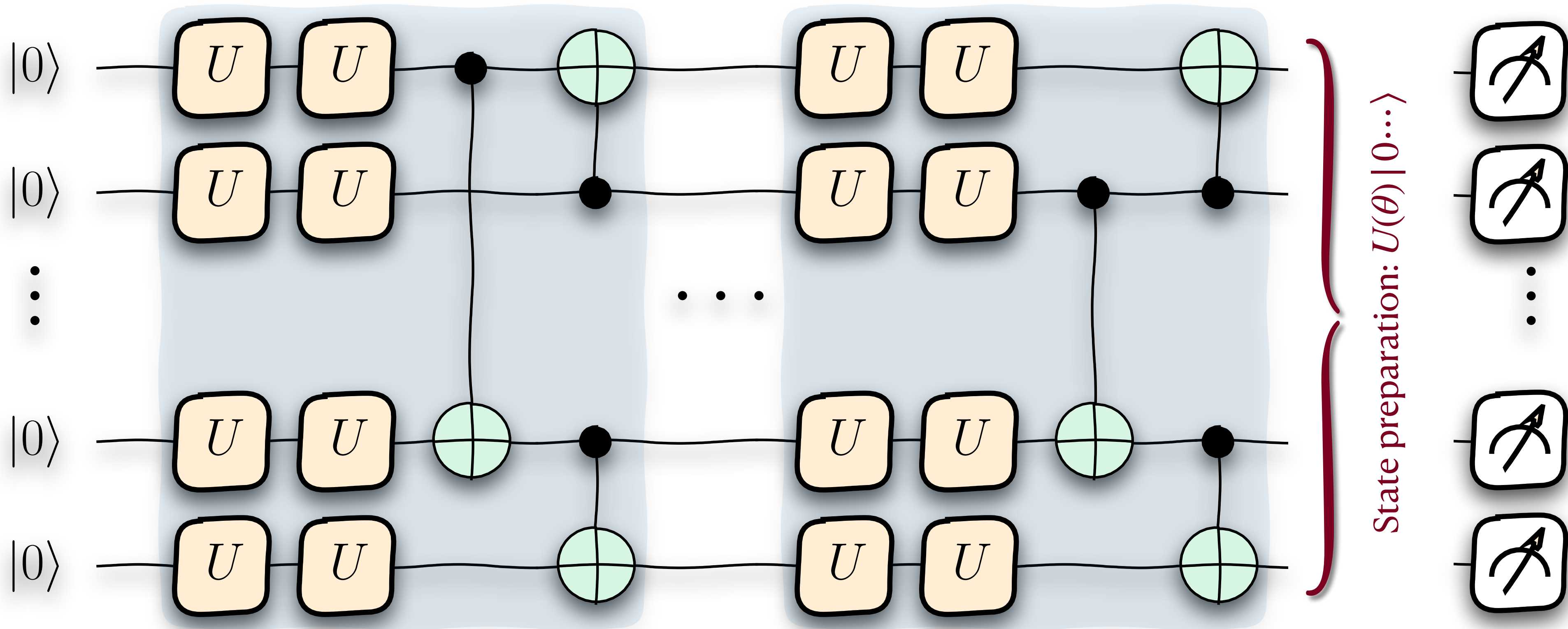




Initial state



Read from left to right!



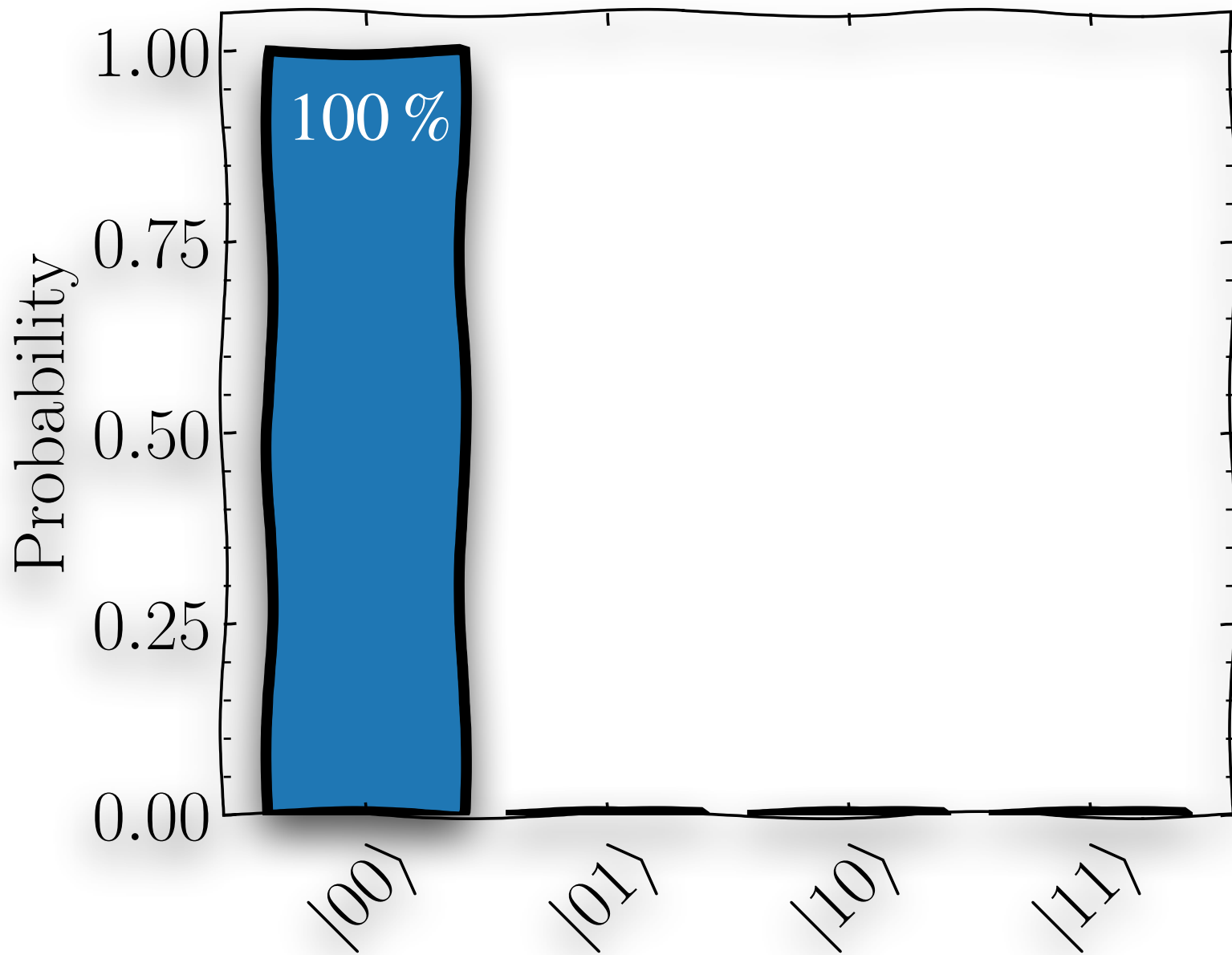


Single Qubit Gates

- ❖ U: operations on the Unit sphere
- ❖ Pauli matrices: X , Y , Z , I



Two qubit gates







Is it

11>

10>

Is it

O

r



11>

10 >

$|0\rangle$

$|0\rangle$

