100.0>+(0.0)...

$$A, B = \frac{1}{2} \text{tr} (A^{\dagger}B)$$

$$(A, B) = \frac{1}{2} \text{tr} (A^{\dagger}B)$$

$$(A, B)$$

$$|100\rangle \longrightarrow |00\rangle$$

$$|10\rangle \stackrel{CX}{\longrightarrow} |11\rangle$$

$$(A \otimes B) (C \otimes D) = AC \otimes BD$$

$$(4|0\rangle = (4_1 \cdots 4_n) \stackrel{\phi_1}{\longrightarrow}$$