

The image displays two circuit diagrams for a quantum circuit. The left diagram shows a simple circuit with 5 qubits (represented by yellow circles) and 4 gates (represented by yellow squares). The right diagram shows a more complex circuit with 5 qubits and 12 gates, including a multi-controlled NOT gate (represented by a yellow square with a circle inside). The qubits are labeled A and B on the right side of the right diagram.

B

A