

Bag 's Groove
$$1 = F$$

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The diagram illustrates a 7-qubit quantum circuit divided into three stages by vertical lines. Each stage shows the state of the qubits and the operations performed.

- Stage 1 (Left):** Qubit 1 is initialized to $|1\rangle$, qubit 3 to $|b_3\rangle$, and qubit 7 to $|1^7\rangle$.
- Stage 2 (Middle):** Qubit 7 is initialized to $|4^7\rangle$, and qubit 3 to $|b_3\rangle$.
- Stage 3 (Right):** Qubit 1 is initialized to $|1^7\rangle$, and qubit 3 to $|b_3\rangle$.

The circuit includes various gates and measurements between these stages, represented by horizontal bars and labels like b_7 , 5 , 4 , 1 , and 5 .

The diagram shows a 7-partite graph with 7 vertices and 7 edges. The vertices are arranged in a 7-cycle, and the edges are arranged in a 7-vertex star graph. The vertices are labeled 1, 2, 3, 4, 5, 6, 7. The edges are labeled 1, 2, 3, 4, 5, 6, 7. The graph is a 7-cycle, and the edges are arranged in a 7-vertex star graph.