

The Erie Canal

$$1 = C$$

New York Work Song

The diagram illustrates a sequence of quantum operations on a system of qubits. The operations are represented by horizontal bars (gates) and labels (qubits) on a vertical line. The sequence is organized into 6 rows and 4 columns.

Row 1: The first column shows a gate labeled 3. The second column shows a gate labeled 6 and a qubit labeled 6. The third column shows a gate labeled 1 and a qubit labeled 1. The fourth column shows a gate labeled 2 and a qubit labeled 2. The fifth column shows a gate labeled 3 and a qubit labeled 3. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 3 and a qubit labeled 3. The eighth column shows a gate labeled 3 and a qubit labeled 3.

Row 2: The first column shows a gate labeled 6 and a qubit labeled 6. The second column shows a gate labeled 1 and a qubit labeled 1. The third column shows a gate labeled 2 and a qubit labeled 2. The fourth column shows a gate labeled 3 and a qubit labeled 3. The fifth column shows a gate labeled 3 and a qubit labeled 3. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 3 and a qubit labeled 3. The eighth column shows a gate labeled 3 and a qubit labeled 3.

Row 3: The first column shows a gate labeled 5 and a qubit labeled 5. The second column shows a gate labeled 3 and a qubit labeled 3. The third column shows a gate labeled 2 and a qubit labeled 2. The fourth column shows a gate labeled 3 and a qubit labeled 3. The fifth column shows a gate labeled 3 and a qubit labeled 3. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 3 and a qubit labeled 3. The eighth column shows a gate labeled 3 and a qubit labeled 3.

Row 4: The first column shows a gate labeled 6 and a qubit labeled 6. The second column shows a gate labeled 1 and a qubit labeled 1. The third column shows a gate labeled 2 and a qubit labeled 2. The fourth column shows a gate labeled 3 and a qubit labeled 3. The fifth column shows a gate labeled 3 and a qubit labeled 3. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 3 and a qubit labeled 3. The eighth column shows a gate labeled 3 and a qubit labeled 3.

Row 5: The first column shows a gate labeled 3 and a qubit labeled 3. The second column shows a gate labeled 3 and a qubit labeled 3. The third column shows a gate labeled 3 and a qubit labeled 3. The fourth column shows a gate labeled 3 and a qubit labeled 3. The fifth column shows a gate labeled 3 and a qubit labeled 3. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 3 and a qubit labeled 3. The eighth column shows a gate labeled 3 and a qubit labeled 3.

Row 6: The first column shows a gate labeled 5 and a qubit labeled 5. The second column shows a gate labeled 3 and a qubit labeled 3. The third column shows a gate labeled 4 and a qubit labeled 4. The fourth column shows a gate labeled 2 and a qubit labeled 2. The fifth column shows a gate labeled 5 and a qubit labeled 5. The sixth column shows a gate labeled 3 and a qubit labeled 3. The seventh column shows a gate labeled 4 and a qubit labeled 4. The eighth column shows a gate labeled 4 and a qubit labeled 4. The ninth column shows a gate labeled 3 and a qubit labeled 3. The tenth column shows a gate labeled 3 and a qubit labeled 3. The eleventh column shows a gate labeled 3 and a qubit labeled 3. The twelfth column shows a gate labeled 3 and a qubit labeled 3.