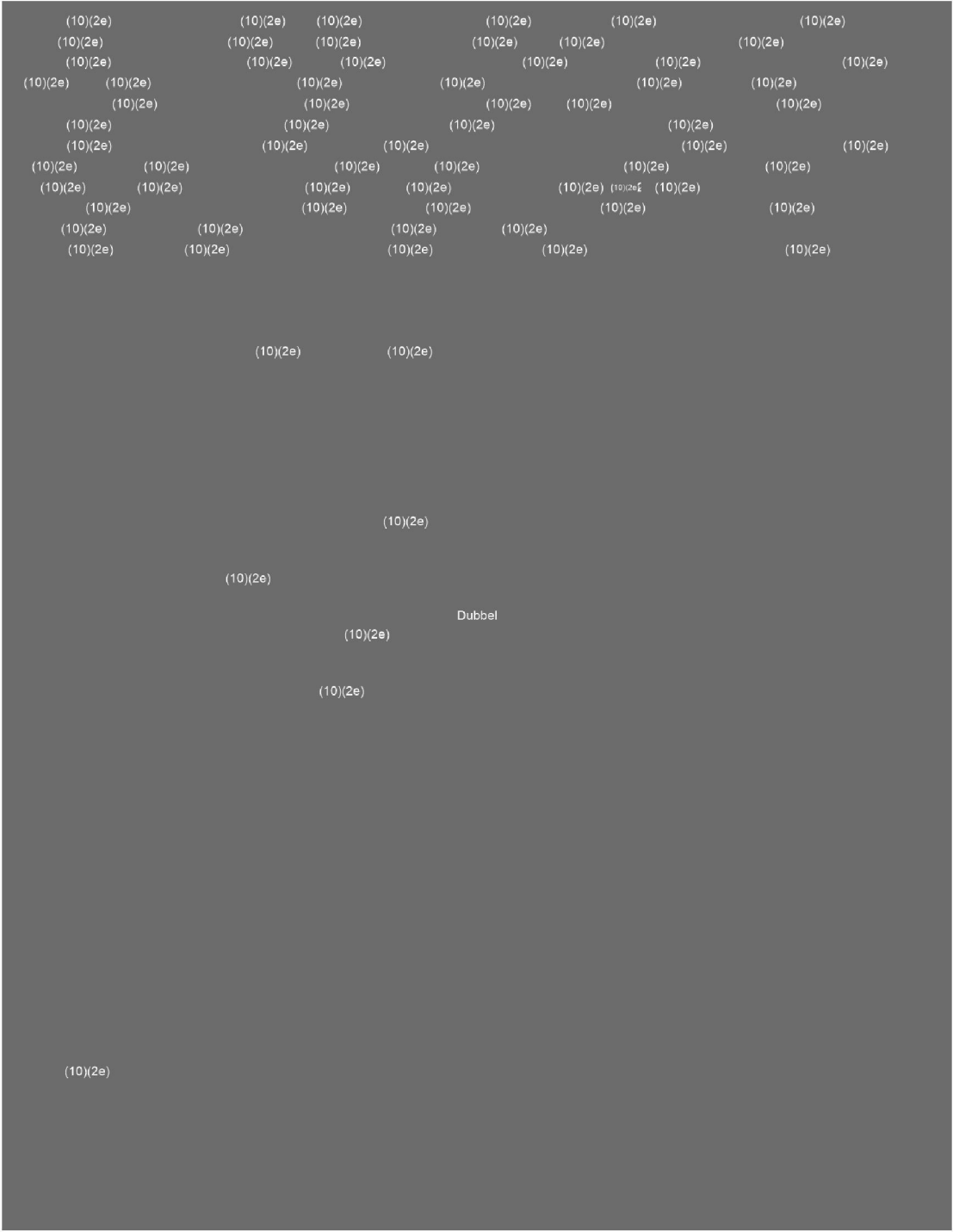
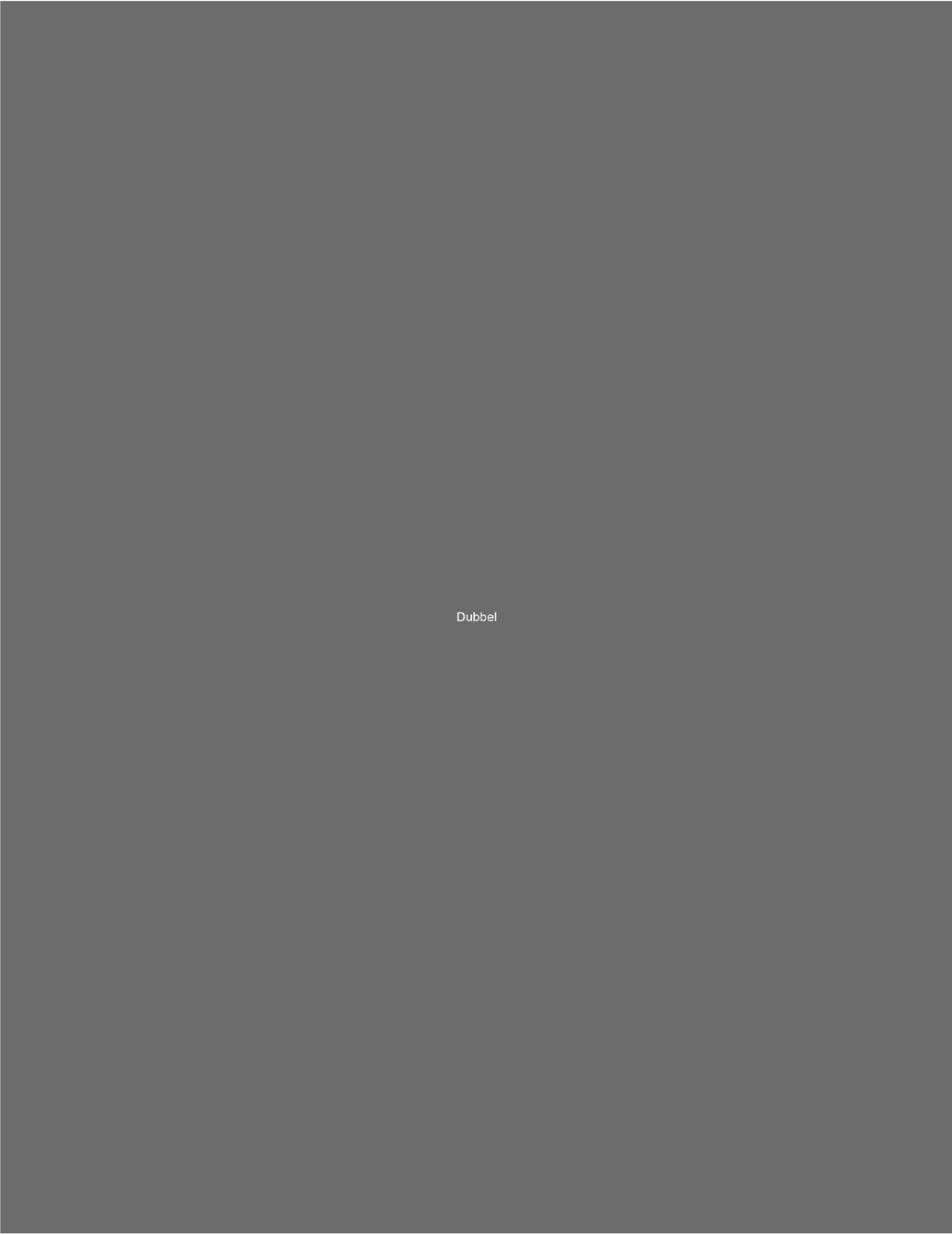


The diagram illustrates a quantum circuit for a 6-qubit system. The circuit is composed of two identical stages. Each stage begins with a Hadamard gate on qubit 0, followed by a CNOT gate with qubit 0 as the control and qubit 1 as the target. Subsequently, qubit 1 is entangled with qubit 2 via a CNOT gate. This is followed by a Hadamard gate on qubit 1, and then qubit 1 is entangled with qubit 3 via a CNOT gate. Finally, qubit 3 is entangled with qubit 4 via a CNOT gate. The circuit concludes with a measurement on qubit 0. The output is labeled "Dubbel".







Dubbel