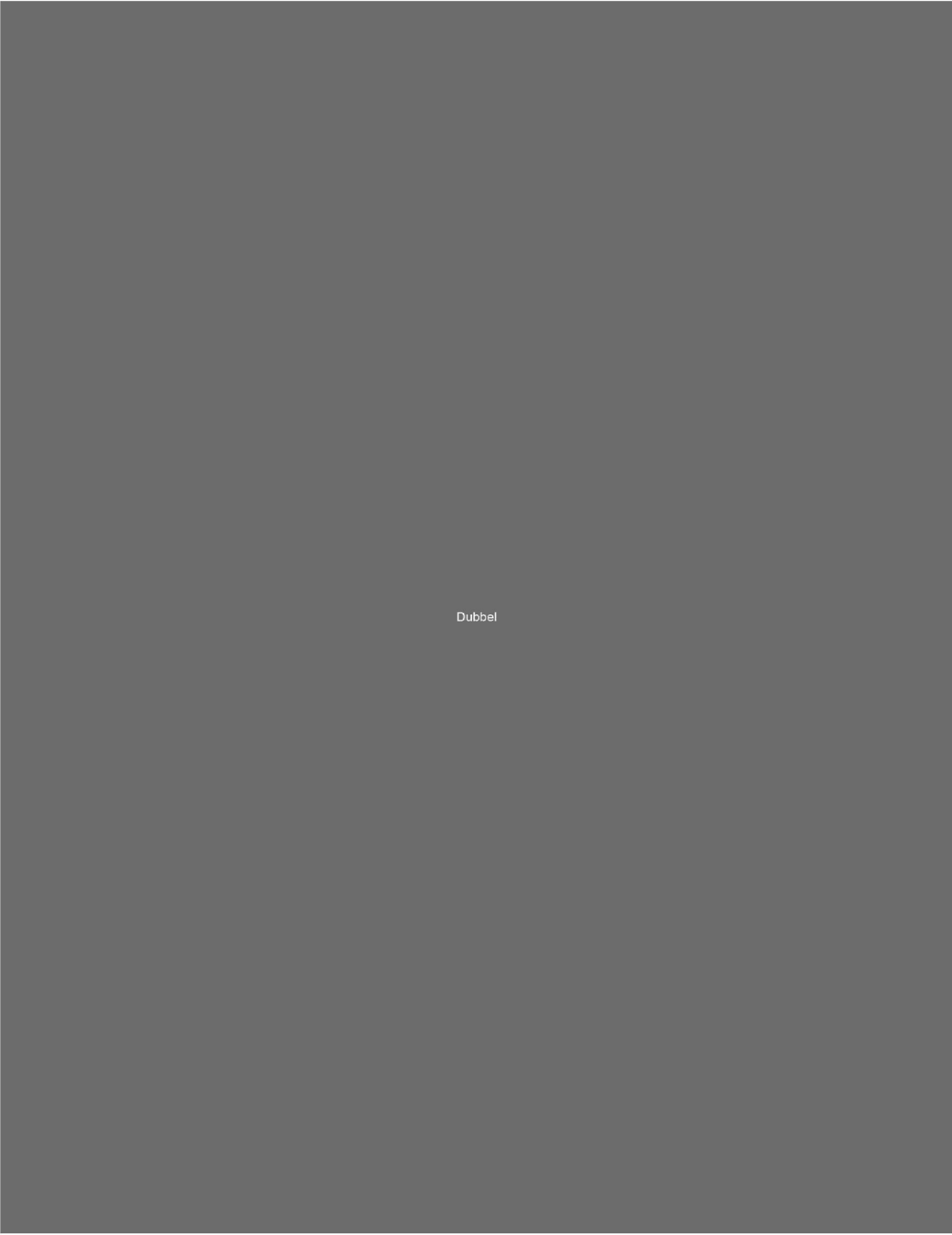


The diagram illustrates a quantum circuit for a 6-qubit system. The circuit is composed of two identical stages. Each stage begins with a Hadamard gate on qubit 0, followed by a CNOT gate with qubit 0 as the control and qubit 1 as the target. This is followed by a CNOT gate with qubit 1 as the control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







Dubbel