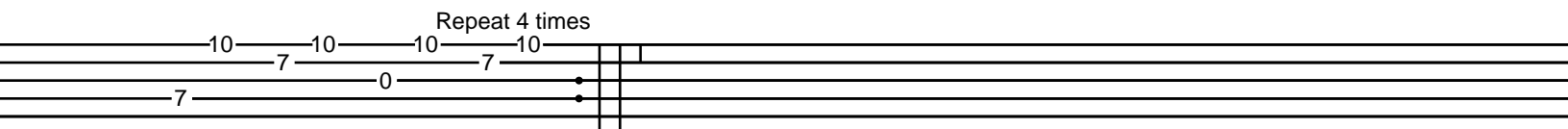
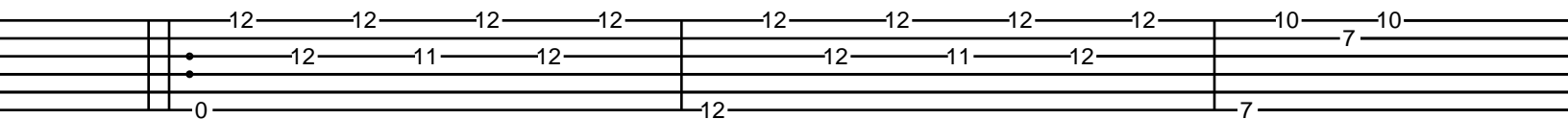
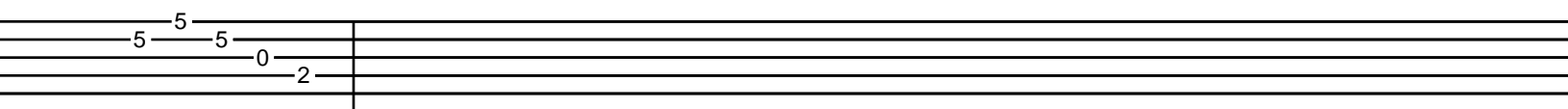
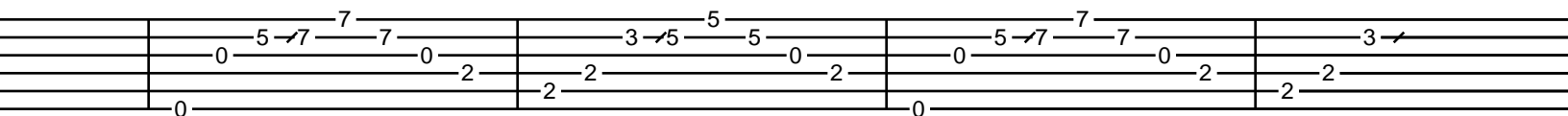
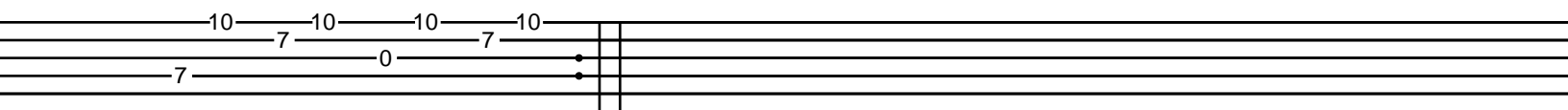
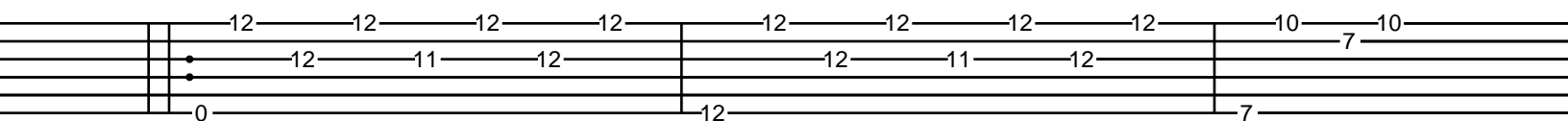
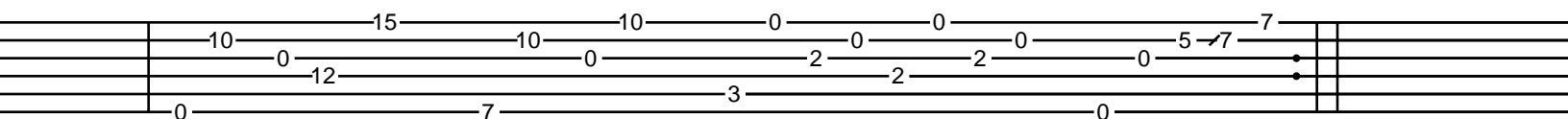
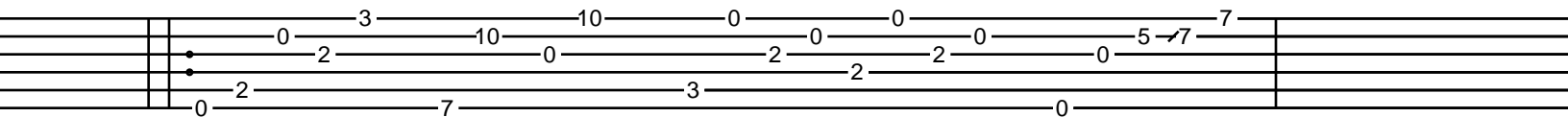
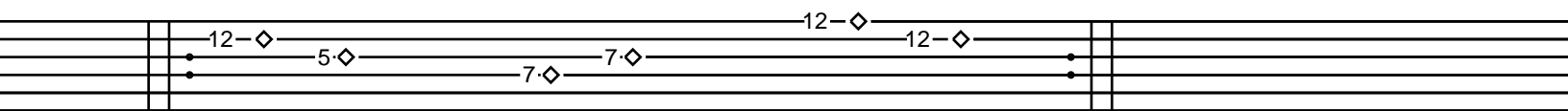


Moonlight Sonata

Ludwig Van Beethoven



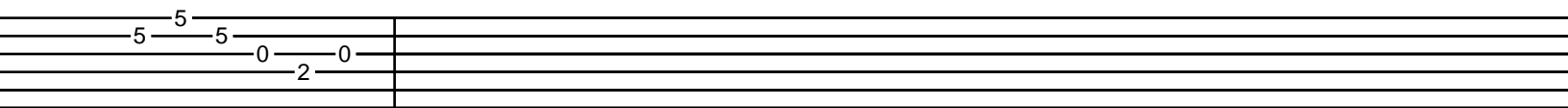


Diagram illustrating a 3-qubit quantum circuit for a 3-qubit Toffoli gate. The circuit consists of 10 layers of gates, repeated 3 times. The gates are arranged as follows:

- Layer 1: CNOT from qubit 1 to qubit 2, and CNOT from qubit 1 to qubit 3.
- Layer 2: CNOT from qubit 2 to qubit 3.
- Layer 3: CNOT from qubit 3 to qubit 2.
- Layer 4: CNOT from qubit 2 to qubit 1.
- Layer 5: CNOT from qubit 3 to qubit 1.
- Layer 6: CNOT from qubit 1 to qubit 2.
- Layer 7: CNOT from qubit 1 to qubit 3.
- Layer 8: CNOT from qubit 2 to qubit 3.
- Layer 9: CNOT from qubit 3 to qubit 2.
- Layer 10: CNOT from qubit 2 to qubit 1.

