

Sicilienne

(En Hommage à Mon Ami Guitariste Giuseppe Torrìsi)

Figure 1 illustrates the construction of a 15-qubit quantum circuit. The circuit is divided into four stages, each represented by a grid of qubits (0 to 14) and gates. The gates are labeled with numbers indicating the state of each qubit at each step. The circuit is designed to implement a specific quantum operation, with the final state of the qubits being the output of the circuit.

19

4 4 7 0 2 0 0 0 0

4 4 5 2 0 4 0 0

6 0

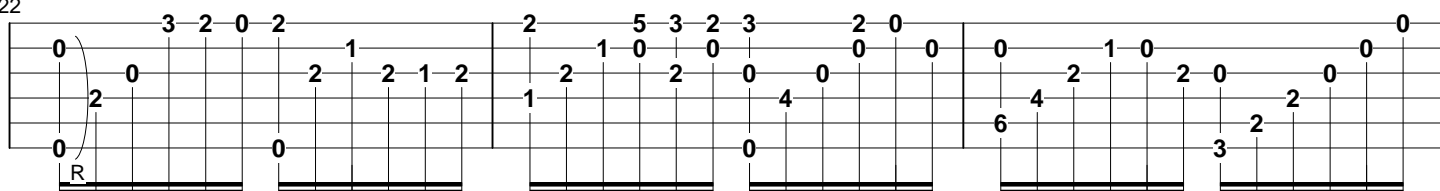
7 4 4 5 4 0 0

6 5 2 2 2 3 0

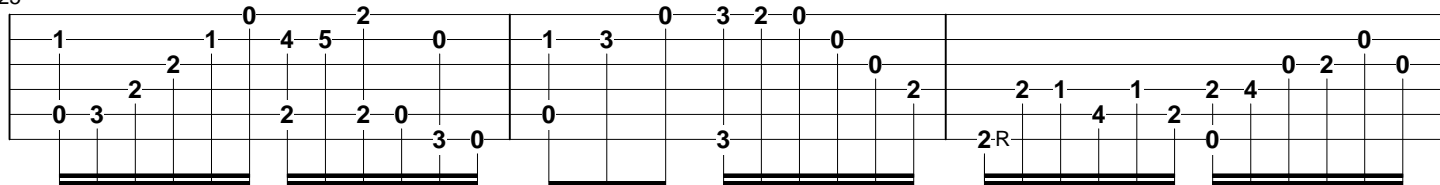
3 2 2 1 0 1 0

5 2 3 2 0 3 2

22



25



28

