

Down St. Thomas Way

$$1 = C$$

Sonny Rollins (Caribbean traditional)

Diagram of a 7-qubit quantum circuit with 10 gates. The gates are labeled with their qubit indices and the gate type. The gates are: 1. CNOT (qubits 1, 2), 2. CNOT (qubits 2, 3), 3. CNOT (qubits 3, 4), 4. CNOT (qubits 4, 5), 5. CNOT (qubits 5, 6), 6. CNOT (qubits 6, 7), 7. CNOT (qubits 7, 6), 8. CNOT (qubits 6, 5), 9. CNOT (qubits 5, 4), 10. CNOT (qubits 4, 3). The circuit is a ladder of CNOT gates.

Diagram illustrating two sets of horizontal bars (representing musical notes or intervals) and their corresponding labels below them.

Left Set:

- Bar 1: Value 3, Label 1
- Bar 2: Value 2, Label $1^{\frac{9}{7}}$
- Bar 3: Value 1, Label 4^{Δ}
- Bar 4: Value 6, Label $\#4^{07}$

Right Set:

- Bar 1: Value 1, Label $1^{\Delta}_{/5}$
- Bar 2: Value 7, Label 5^7
- Bar 3: Value 1, Label 1^{Δ}
- Bar 4: Value 5, Label (none)
- Bar 5: Value 1, Label (none)

Diagram illustrating a 1D lattice structure with 16 sites. The sites are grouped into four sets of four, each represented by a blue box containing the number 7. The groups are labeled below the lattice:

- Group 1 (sites 1-4): 1^4
- Group 2 (sites 5-8): 6^7
- Group 3 (sites 9-12): 2^{-7} and 5^7
- Group 4 (sites 13-16): 1^4

Diagram illustrating a quantum circuit structure with 16 qubits, divided into four sections by vertical lines. Each section contains a horizontal row of 16 light blue rectangular blocks, each labeled with the number 7. Below the first section is the label 1^4 , below the second is 6^7 , below the third are 2^{-7} and 5^7 , and below the fourth is 1^4 .

