

Whiskey Before Breakfast

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Open G

① = D ③ = G ⑤ = G

② = B ④ = D

♩ = 120

Diagram of a 4-qubit quantum circuit for a 4-qubit adder. The circuit has four horizontal qubit lines labeled T, A, B, and 0 from top to bottom. The circuit is divided into four sections by vertical bars. Section 1 (D) has gates (0,2), (4,0), and (2,4). Section 2 (G) has gates (2,4), (2,0), (4,0), and (2,4). Section 3 (D) has gates (0,2), (4,2), (3,4), and (2,0). Section 4 (A, D) has gates (4,0), (2,4), and (2,4). The gates are represented by horizontal bars with vertical lines connecting the qubit lines at the specified indices.

Diagram of a 3-qubit quantum circuit for the Deutsch algorithm. The circuit has three horizontal qubit lines labeled T, A, and B at the top. The first qubit (T) starts with a Hadamard gate (H). The second qubit (A) starts with a Hadamard gate (H). The third qubit (B) starts with a Hadamard gate (H). The circuit is divided into two main sections: 'D' and 'G'. Section 'D' contains two identical blocks. Each block has a CNOT gate with control on qubit T and target on qubit A, followed by a CNOT gate with control on qubit A and target on qubit B. Section 'G' contains a single block with a CNOT gate with control on qubit T and target on qubit A, followed by a CNOT gate with control on qubit A and target on qubit B. The circuit ends with a Hadamard gate (H) on qubit T and a Hadamard gate (H) on qubit A. The final measurement is performed on qubit T.

[illegible]

The first system of the musical score for 'The Rose Tree' is shown. It consists of a treble clef, a key signature of one flat (B-flat), and a 2/4 time signature. The melody is written on a single staff. The notes are: D4 (quarter), A4 (quarter), G4 (quarter), F#4 (quarter), E4 (quarter), D4 (quarter), C4 (half). The lyrics 'The Rose Tree' are written below the notes. The first measure contains the notes D4 and A4, and the second measure contains the notes G4 and F#4. The third measure contains the notes E4 and D4, and the fourth measure contains the notes C4 and B3. The fifth measure contains the notes A3 and G3, and the sixth measure contains the notes F#3 and E3. The seventh measure contains the notes D3 and C3, and the eighth measure contains the notes B2 and A2. The eighth measure is a whole note, and the lyrics 'The Rose Tree' are written below it.

[illegible]