

## Ítalo Bruno

1 2 0 2 3 2 4 2 4 2 1 0 2 2 0 4 5 4 2 2

1 2 0 2 3 2 4 2 4 2 1 0 2 2 0 4 5 4 2 2

2 2 0 2 3 2 4 2 4 2 1 0 2 2 0 4 5 4 2 2

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Figure 1 illustrates a sequence of 13 steps in a 1D lattice. The lattice is represented by a horizontal line with vertical markers. Above the line, numbers indicate the state of the lattice at each step. Below the line, arrows indicate the movement of particles. The sequence starts with a single particle at step 1, moves to step 2, then splits into two particles at step 3, and continues to evolve with increasing complexity.

25

30

35

The musical score for 'The Rose Tree' is presented on a grand staff with three systems. The first system contains measures 1 through 8, the second system contains measures 9 through 16, and the third system contains measures 17 through 24. The melody is written on the upper staff, and the accompaniment is written on the lower staff. The key signature has one sharp (F#), and the time signature is 4/4. The melody features various rhythmic patterns, including eighth and sixteenth notes, and rests. The accompaniment consists of a steady bass line with occasional chords and rests. The score is divided into measures by vertical bar lines, and some measures contain multiple notes or rests.

[illegible]

45

50

55

60

65

71