

# Antonio Lauro

The diagram illustrates the construction of a 1D lattice with 11 sites. The top row shows the initial state with occupation numbers 3, 1, 1, 1, 3, 1, 3. The bottom row shows the final state with occupation numbers 0, 2, 1, 2, 3, 4, 5, 2, 3, 0, 4, 0, 2, 4, 0, 0, 3, 0, 3. The lattice is divided into two sections by a vertical line.

13

15

17

19