

The diagram illustrates a 1D lattice with 30 sites. The first 15 sites (left half) each have a single black hexagon. The next 15 sites (right half) each have two black hexagons, one above the other, connected by a vertical line to the horizontal lattice line. This represents a system with two different types of sites or particles.

The diagram shows a horizontal line representing a 1D lattice with 25 sites. The first 9 sites are occupied by black hexagons. The next 5 sites have vertical lines extending upwards to additional black hexagons. The remaining 11 sites are occupied by black hexagons on the baseline.

The diagram illustrates a 1D lattice chain with 25 sites. The first 10 sites are connected in a linear chain. The 11th site is connected to the 10th site and also to four additional sites below it, forming a star-like structure. The remaining 14 sites are connected in a linear chain starting from the 16th site.