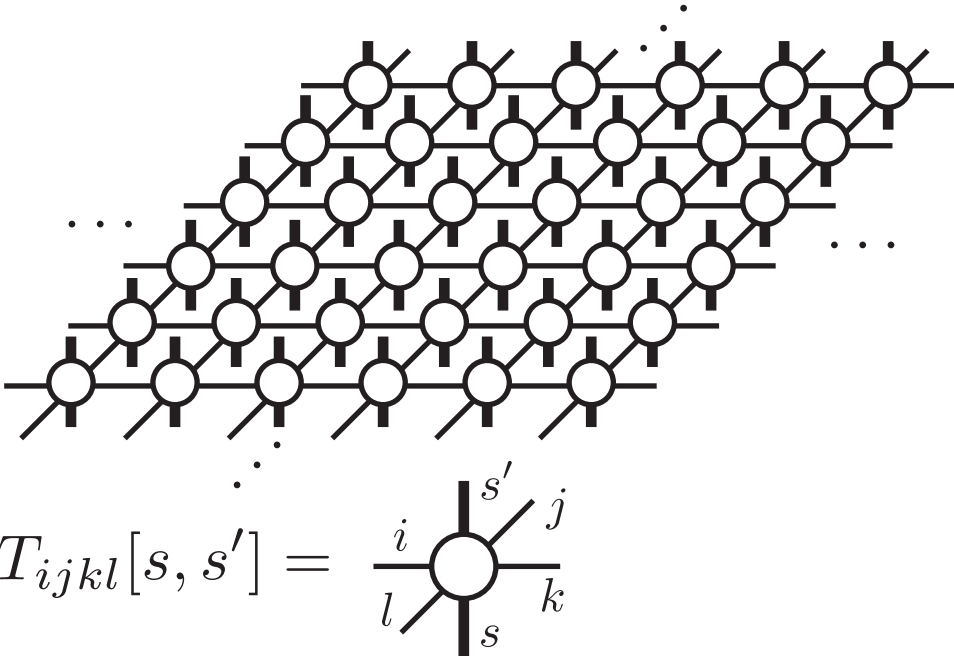


$$\rho^{\text{iTPO}} =$$


The diagram illustrates a 2D hexagonal lattice structure. The lattice is composed of white circular vertices connected by black lines. Vertical bonds connect vertices in adjacent rows, while diagonal bonds connect vertices within the same row. Ellipses (...) indicate that the lattice extends infinitely in both horizontal and vertical directions.

Below the lattice, the vertex operator  $T_{ijkl}[s, s']$  is defined. It is represented by a white circle with six incident bonds. The bonds are labeled as follows: the top-left bond is labeled  $i$ , the top-right bond is labeled  $j$ , the right bond is labeled  $k$ , the bottom bond is labeled  $s$ , the bottom-left bond is labeled  $l$ , and the top vertical bond is labeled  $s'$ .