

LAMPS-TPC

Clustering Task

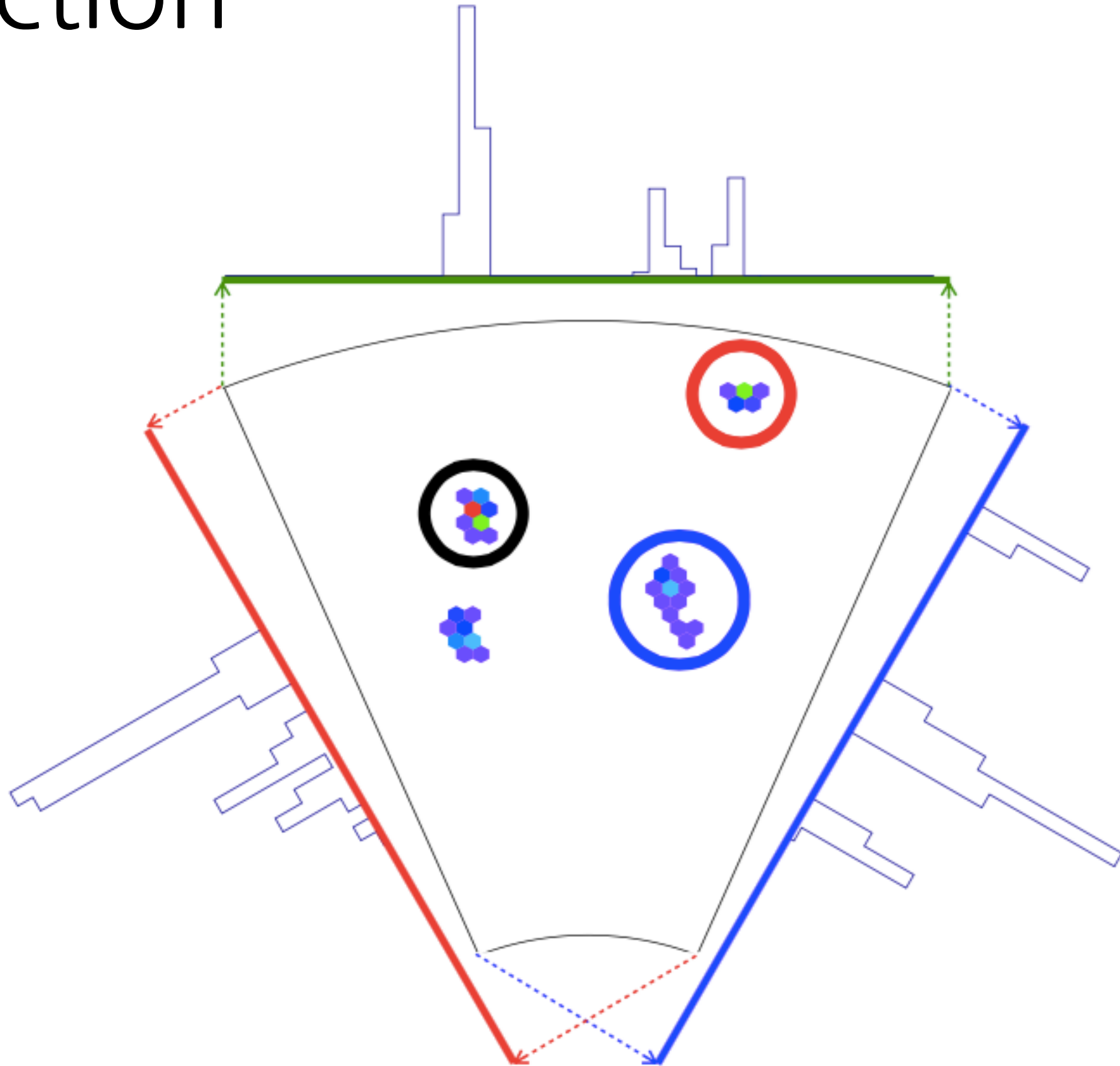
- **Projection method**

1. Project of 2D pad plane charge information into 1D projection planes(3~6).
2. Each projection plane gives peaks.
3. Find pad with maximum charge using these peaks.

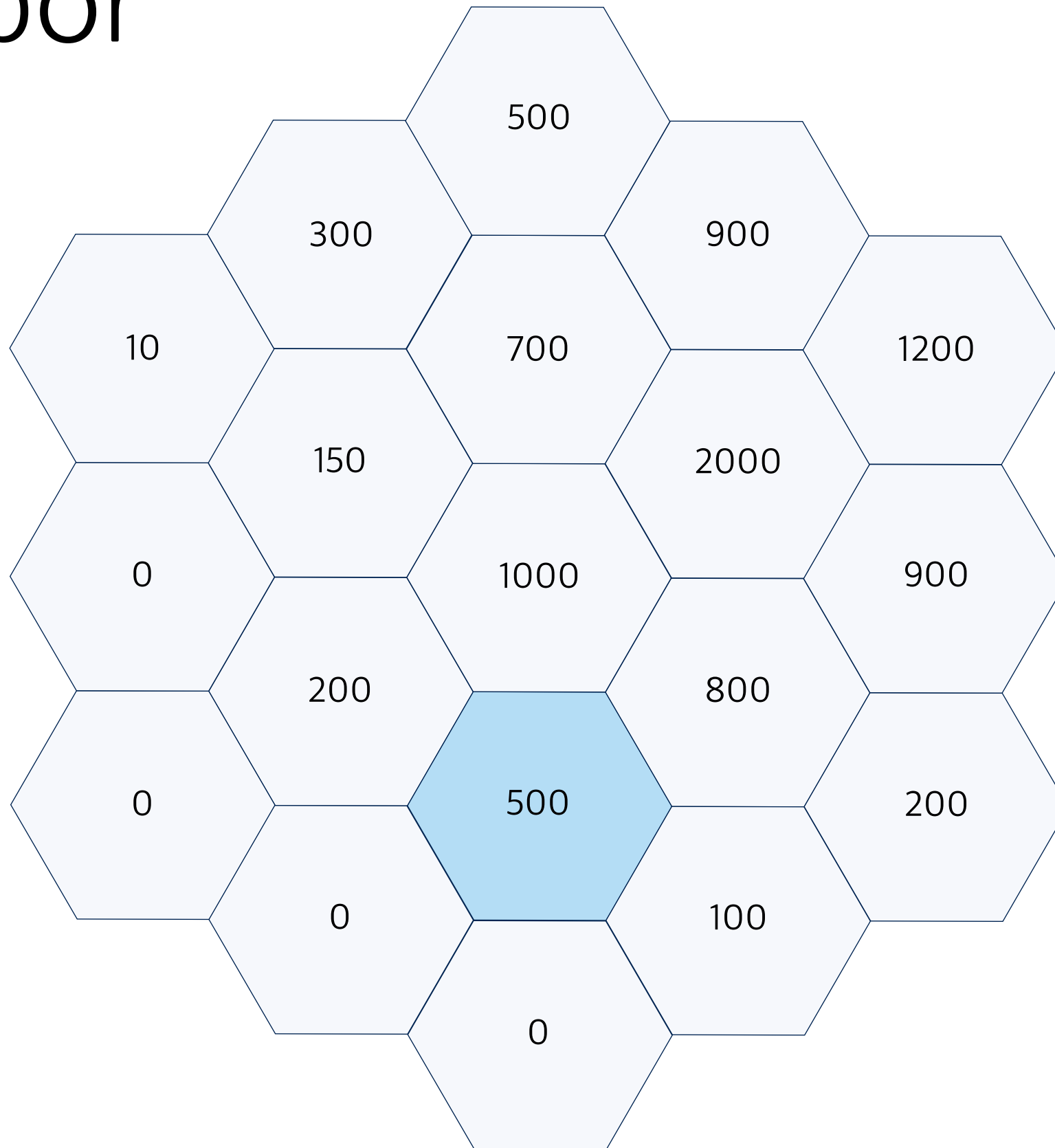
- **Neighbor pad mapping method**

- For each pad, map only the 1st nearest neighbor pads(6).
 1. Peak any active pad.
 2. Look around the 6 neighbors and see if there is pad which has larger charge than itself.
 3. If so, move on to corresponding pad.
- Iterate above steps until we find the pad with largest charge.

Projection



Neighbor



Neighbor

