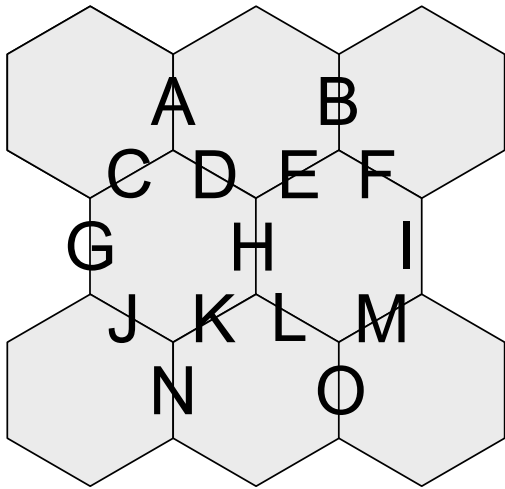


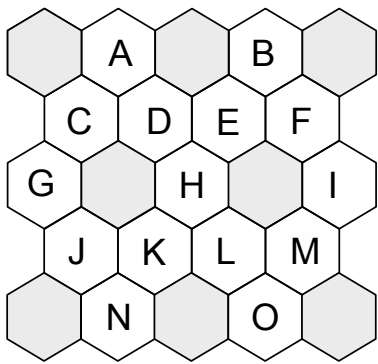
Figure 5 - transfer of edge data from original map to in-map representation


Original Hexagon Map



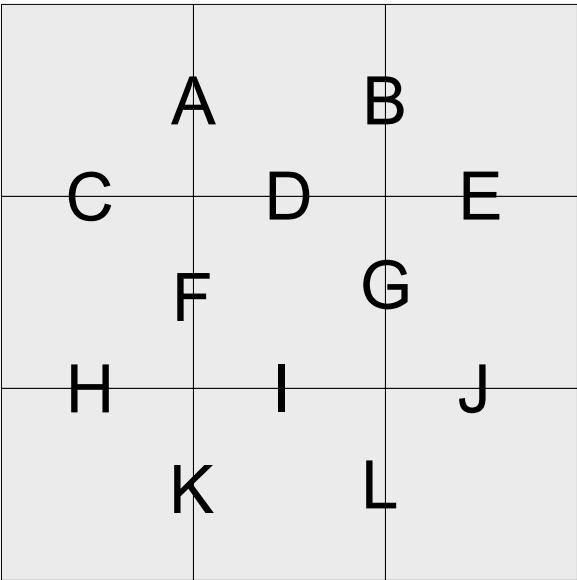
 Original Cells

New In-Map Representation



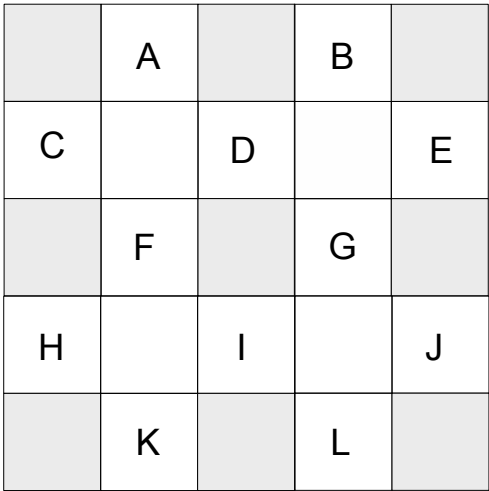
 New Cells added in In-Map Representation


Square Map with Cell, Edge, and Vertex Data



 Original Cells

New In-Map Representation



 New Cells added in In-Map Representation