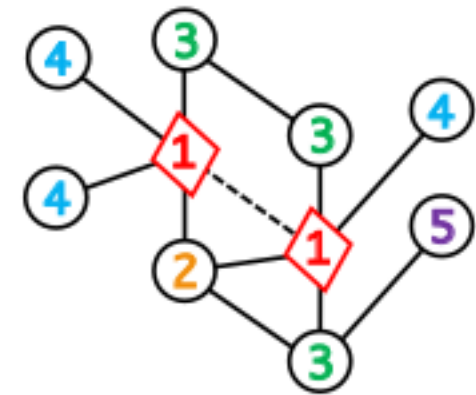
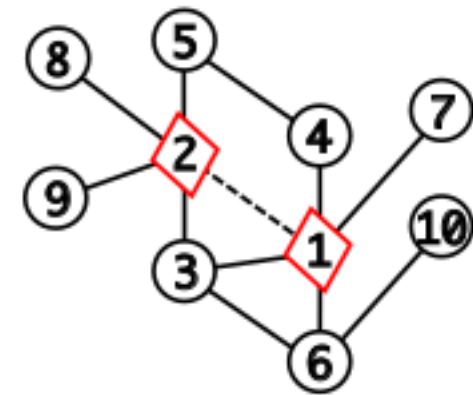


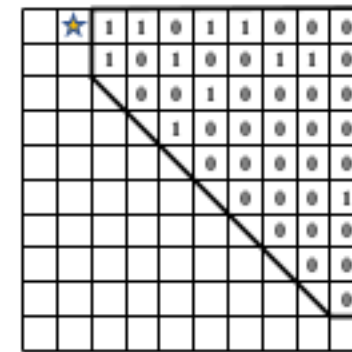
**Extract enclosing subgraph
for a target link**



**Assign initial colors to vertices
according to their geometric
mean distance to the link**



**Refine the colors to impose a vertex
ordering which preserves the
initial color order**



**Construct adjacency matrix representation
using the calculated vertex ordering,
which is input to a neural network**

