Each node broadcasts a HELLO message

From the received HELLO messages, each node builds its MPNT

Each node sends its MPNT along with its location and node ID to gateway

Gateway removes a node \( w \) from the MPNT of a node \( v \) if node \( w \) is nearer to any other node \( y \) in the MPNT of node \( w \) as compared to node \( v \)

After removing all such nodes, if the remaining number of nodes

\[ \geq x \]

The result is DNT

Gateway checks DNT of each node. If it finds uni-directional links

yes

Gateway adds a reverse link in the DNT of the neighboring node

The result is FNT