

1. Router_circuit_DB : List of links connected to this router.
[(link ID1, cost1) , (link ID2, cost2)]

2. Router_network_DB: A table of links connected to each router, indexed by router ID.
[{R1 -> [(link ID, cost) , (link ID, cost),]}
 {R2 -> [(link ID, cost) , (link ID, cost),]}
 .
 .
 .
 {Rn -> [(link ID, cost) , (link ID, cost),]}]

3. Mylinks: a list of linkIDs connected to this router, on which a HELLO has been received.
[(linkID, gotHello), (linkID, gotHello).....]

