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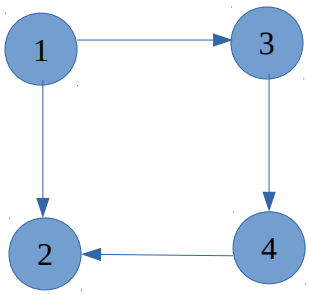
E/15/220

CO322 – LAB 05

1. Find out what is the Transitive Closure of a graph.

   Transitive Closure it the reachability matrix to reach from vertex u to vertex v of a graph. One graph is given, we have to find a vertex v which is reachable from another vertex u, for all vertex pairs (u, v).The final matrix is the Boolean type. When there is a value 1 for vertex u to vertex v, it means that there is at least one path from u to v.

2. Manually compute the Transitive Closure for the following graph:



1 1 1 0
0 1 0 0
0 1 1 1
0 1 0 1

3.