

BipartitePair rp = q.poll();

visited.put(rp.vtx, rp.dis);

for (int nbrs : graph[rp.vtx]) {

continue;

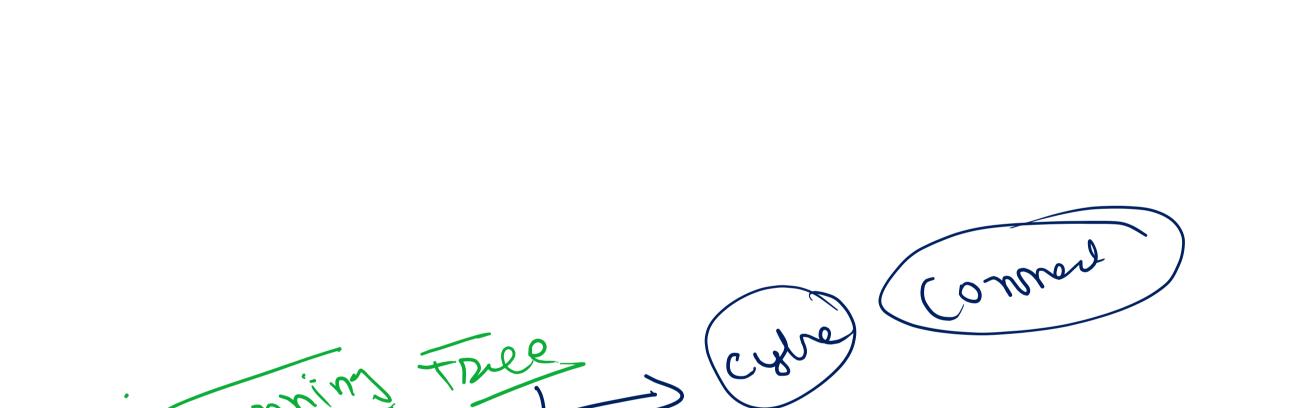
// 5. Add Nbrs

return true;

// 3. marked visited

// 2. Ignore
if (visited.containsKey(rp.vtx)) {
 if (visited.get(rp.vtx) != rp.dis) {
 return false;
}

(!visited.containsKey(nbrs)) {
 q.add(new BipartitePair(nbrs, rp.dis + 1));



A spanning tree is a subset of Graph G, which has all the vertices covered with minimum possible number of edges. Hence, a spanning tree does not have cycles and it cannot be disconnected..

