210. Course Schedule II

vector<int> findOrder(int numCourses, vector<vector<int>>& prerequisites) {

vector<vector<int>> adj(numCourses);

vector<int> inComming(numCourses,0);

for(int i = 0; i < prerequisites.size(); i++){

inComming[prerequisites[i][0]]++;

adj[prerequisites[i][1]].push\_back(prerequisites[i][0]);

}

queue<int>todo;

for(int i = 0; i < numCourses; i++){

if(inComming[i] == 0){

todo.push(i);

}

}

//travers here

vector<int> res;

while(!todo.empty()){

int current = todo.front();

todo.pop();

res.push\_back(current);

for(auto j : adj[current]){

inComming[j]--;

if(inComming[j] == 0){

todo.push(j);

}

}

}

if(res.size() < numCourses){

res.clear();

return res;

}

return res;

}