Topological Sorting

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• Course Schedule II(图的拓扑排序)
public class Solution {
  public int[] findOrder(int numCourses, int[][] prerequisites) {
     // write your code here
    if(numCourses == 0){
       return null;
    List[] edges = new ArrayList[numCourses];/
    int[] degree = new int[numCourses];
    for(int i = 0; i < numCourses; i++){
       edges[i] = new ArrayList<Integer>();
    for(int i = 0; i < prerequisites.length; i++){
       degree[prerequisites[i][0]]++;
       edges[prerequisites[i][1]].add(prerequisites[i][0]);
     Queue<Integer> queue = new LinkedList<>();
    for(int i = 0; i < numCourses; i++){
       if(degree[i] == 0){
          queue.add(i);
    int count = 0;
    int[] order = new int [numCourses];
    while(!queue.isEmpty()){
       int course = queue.poll();
       order[count] = course;
       count++;
       for(int i = 0; i < edges[course].size(); i++){
         int n = (int)edges[course].get(i);
          degree[n]--;
         if(degree[n] == 0){
            queue.add(n);
    if(count == numCourses)
       return order;
     return new int[0];
```