There are a total of numCourses courses you have to take, labeled from 0 to numCourses - 1. You are given an array prerequisites where prerequisites[i] = [ai, bi] indicates that you **must** take course bi first if you want to take course ai.

* For example, the pair [0, 1], indicates that to take course 0 you have to first take course 1.

Return true if you can finish all courses. Otherwise, return false.

**Example 1:**

Input: numCourses = 2, prerequisites = [[1,0]]  
Output: true  
Explanation: There are a total of 2 courses to take.   
To take course 1 you should have finished course 0. So it is possible.

**Example 2:**

Input: numCourses = 2, prerequisites = [[1,0],[0,1]]  
Output: false  
Explanation: There are a total of 2 courses to take.   
To take course 1 you should have finished course 0, and to take course 0 you should also have finished course 1. So it is impossible.

**Constraints:**

* 1 <= numCourses <= 2000
* 0 <= prerequisites.length <= 5000
* prerequisites[i].length == 2
* 0 <= ai, bi < numCourses
* All the pairs prerequisites[i] are **unique**.