207. Course Schedule

Hint

- 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] = [a_i, b_i] indicates that you must take course bi first if you want to take course a_i.

- 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:

- $1 <= numCourses <= 2000$

- $0 <= prerequisites.length <= 5000$

- $prerequisites[i].length == 2$

- $0 <= a_i, b_i < numCourses$

- All the pairs prerequisites[i] are unique.