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Description

Solution

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886. Possible Bipartition

Medium

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We want to split a group of n people (labeled from 1 to n) into two groups of **any size**. Each person may dislike some other people, and they should not go into the same group.

Given the integer n and the array `dislikes` where `dislikes[i] = [ai, bi]` indicates that the person labeled a_i does not like the person labeled b_i , return `true` if it is possible to split everyone into two groups in this way.

Example 1:

Input: $n = 4$, `dislikes = [[1,2],[1,3],[2,4]]`

Output: `true`

Explanation: group1 [1,4] and group2 [2,3].

Example 2:

Input: $n = 3$, `dislikes = [[1,2],[1,3],[2,3]]`

Output: `false`

Example 3:

Input: $n = 5$, `dislikes = [[1,2],[2,3],[3,4],[4,5],[1,5]]`

Output: `false`

Constraints:

- $1 \leq n \leq 2000$
- $0 \leq dislikes.length \leq 10^4$
- `dislikes[i].length == 2`
- $1 \leq dislikes[i][j] \leq n$
- $a_i < b_i$
- All the pairs of `dislikes` are **unique**.

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class Solution {

public boolean possibleBipartition(int n, int[][] dislikes) {

}

}

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Console -

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https://leetcode.com/problems/possible-bipartition/

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