

Find the Town Judge

In a town, there are N people labelled from 1 to N . There is a rumor that one of these people is secretly the town judge.

If the town judge exists, then:

1. The town judge trusts nobody.
2. Everybody (except for the town judge) trusts the town judge.
3. There is exactly one person that satisfies properties 1 and 2.

You are given `trust`, an array of pairs `trust[i] = [a, b]` representing that the person labelled `a` trusts the person labelled `b`.

If the town judge exists and can be identified, return the label of the town judge. Otherwise, return `-1`.

Example 1:

Input: $N = 2$, `trust = [[1,2]]`

Output: `2`

Example 2:

Input: $N = 3$, `trust = [[1,3],[2,3]]`

Output: `3`

Example 3:

Input: $N = 3$, `trust = [[1,3],[2,3],[3,1]]`

Output: `-1`

Example 4:

Input: $N = 3$, `trust = [[1,2],[2,3]]`

Output: `-1`

Example 5:

Input: $N = 4$, `trust = [[1,3],[1,4],[2,3],[2,4],[4,3]]`

Output: `3`