

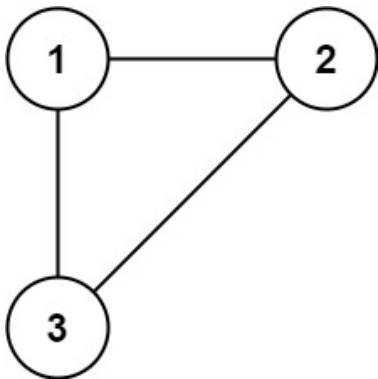
684. Redundant Connection

Medium 🔒 Topics 🏢 Companies

In this problem, a tree is an **undirected graph** that is connected and has no cycles.

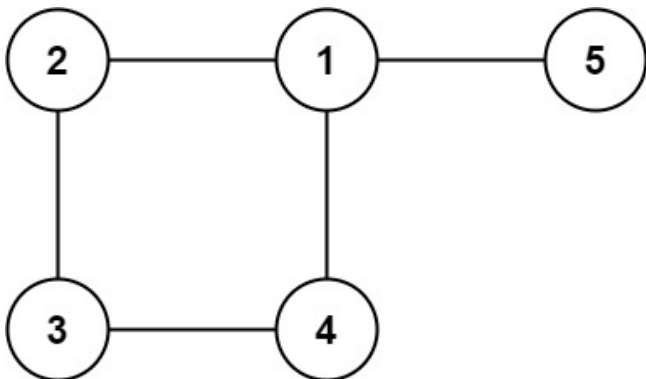
You are given a graph that started as a tree with n nodes labeled from 1 to n , with one additional edge added. The added edge has two nodes chosen from 1 to n , and no node chosen from 1 to n is chosen more than once. Return *an edge that can be removed so that the resulting graph is a tree of n nodes*. If there are multiple answers, return the answer that occurs last in the given list of edges.

Example 1:



Input: edges = [[1,2],[1,3],[2,3]]
Output: [2,3]

Example 2:



Input: edges = [[1,2],[2,3],[3,4],[1,4],[1,5]]
Output: [1,4]

Constraints:

- $n == \text{edges.length}$
- $3 \leq n \leq 1000$
- $\text{edges}[i].\text{length} == 2$
- $1 \leq a_i < b_i \leq \text{edges.length}$
- $a_i \neq b_i$
- There are no repeated edges.
- The given graph is connected.

Seen this question in a real interview before? 1/4

Yes No

Accepted 335.1K Submissions 534.6K Acceptance Rate 62.7%