```
class Solution {
    public boolean validTree(int n, int[][] edges) {
        int[] nums = new int[n];
        Arrays.fill(nums, -1);

        for (int[] e : edges) {
            int i = findNext(nums, e[0]);
            int j = findNext(nums, e[1]);
            if (i == j)
                return false;
            nums[i] = j;
        }
        return edges.length == n-1;
    }

    private int findNext(int[] nums, int num) {
        if (nums[num] != -1) {
            return findNext(nums, nums[num]);
        }
        return num;
    }
}
```