2492. Minimum Score of a Path Between Two Cities

Medium Topics Companies Hint

You are given a positive integer `n` representing `n` cities numbered from `1` to `n`. You are also given a **2D** array `roads` where `roads[i] =`

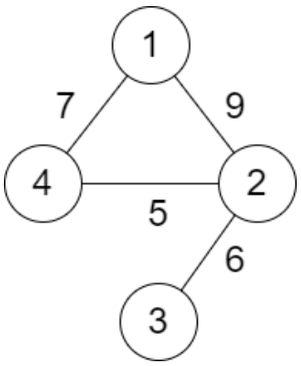
The **score** of a path between two cities is defined as the **minimum** distance of a road in this path.

Return *the **minimum** possible score of a path between cities* `1` *and* `n`.

Note:

- A path is a sequence of roads between two cities.
- It is allowed for a path to contain the same road **multiple** times, and you can visit cities `1` and `n` multiple times along the path.
- The test cases are generated such that there is **at least** one path between `1` and `n`.

Example 1:




```
Input: n = 4, roads = [[1,2,9],[2,3,6],[2,4,5],[1,4,7]]
Output: 5
Explanation: The path from city 1 to 4 with the minimum score is: 1 -> 2 -> 4. The score of this pat
It can be shown that no other path has less score.
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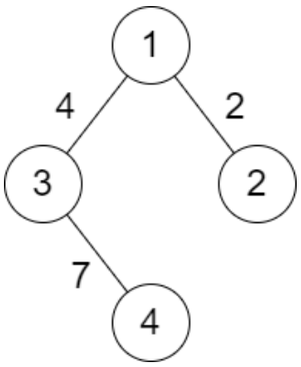
Example 2:




```
Input: n = 4, roads = [[1,2,2],[1,3,4],[3,4,7]]
Output: 2
Explanation: The path from city 1 to 4 with the minimum score is: 1 -> 2 -> 1 -> 3 -> 4. The score c
```

Constraints:

- `2 <= n <= 10^5`
- `1 <= roads.length <= 10^5`
- `roads[i].length == 3`
- `1 <= a_i, b_i <= n`
- `a_i != b_i`