1135. Connecting Cities With Minimum Cost `Premium`   Solved ●

Medium   🏷 Topics   ᐧᐧ Companies   💡 Hint

There are `n` cities labeled from `1` to `n`. You are given the integer `n` and an array `connections` where `connections[i] = [x_i, y_i,` `cost_i]` indicates that the cost of connecting city `x_i` and city `y_i` (bidirectional connection) is `cost_i`.

Return *the minimum **cost** to connect all the* `n` *cities such that there is at least one path between each pair of cities.* If it is impossible to connect all the `n` cities, return `-1`.

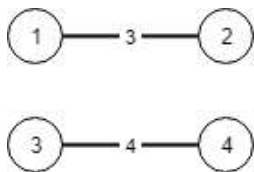The **cost** is the sum of the connections' costs used.

Example 1:
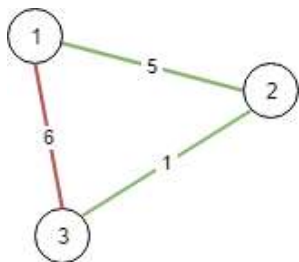
Input: n = 3, connections = [[1,2,5],[1,3,6],[2,3,1]]
Output: 6
Explanation: Choosing any 2 edges will connect all cities so we choose the minimum 2.

Example 2:

Input: n = 4, connections = [[1,2,3],[3,4,4]]
Output: -1
Explanation: There is no way to connect all cities even if all edges are used.

Constraints:

- $1 <= n <= 10^4$

- $1 <= connections.length <= 10^4$

- `connections[i].length == 3`

- $1 <= x_i, y_i <= n$

- $x_i != y_i$

- $0 <= cost_i <= 10^5$

Seen this question in a real interview before?   1/5

Yes   No

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