

2093. Minimum Cost to Reach City With Discounts

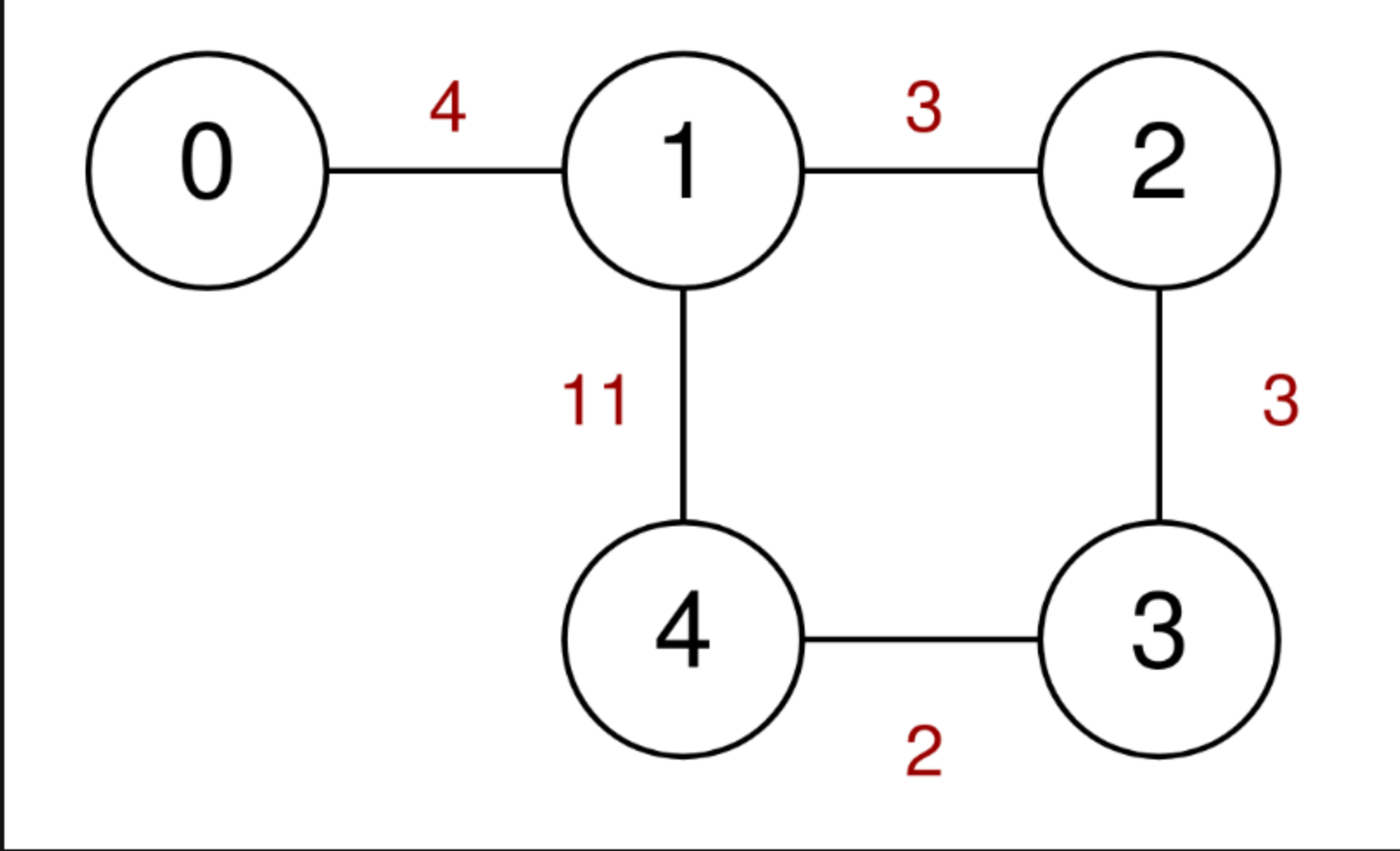
Description

A series of highways connect `n` cities numbered from `0` to `n - 1`. You are given a 2D integer array `highways` where `highways[i] = [city1i, city2i, tolli]` indicates that there is a highway that connects `city1i` and `city2i`, allowing a car to go from `city1i` to `city2i` **and vice versa** for a cost of `tolli`.

You are also given an integer `discounts` which represents the number of discounts you have. You can use a discount to travel across the `ith` highway for a cost of `tolli / 2` (**integer division**). Each discount may only be used **once**, and you can only use at most **one** discount per highway.

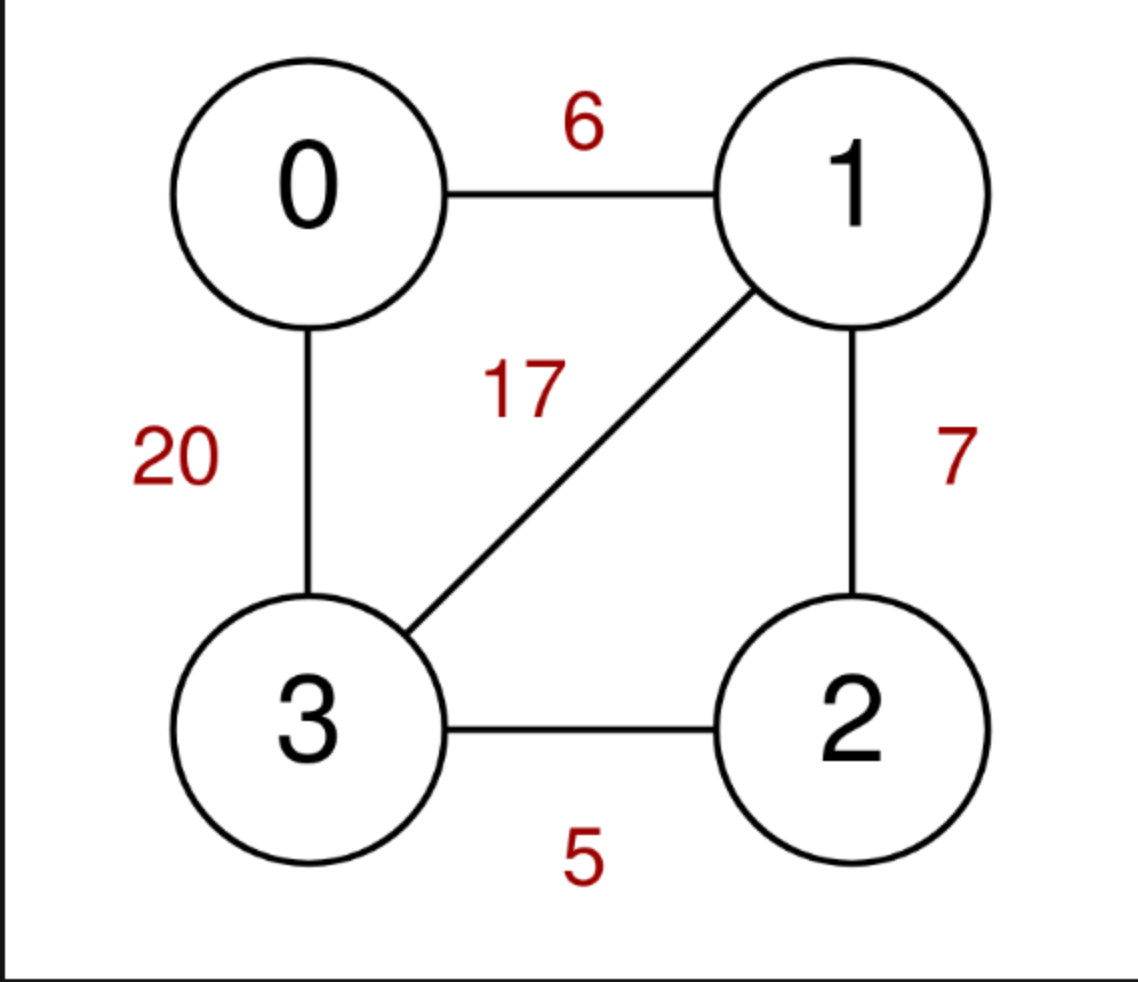
Return *the minimum total cost to go from city `0` to city `n - 1`, or `-1` if it is not possible to go from city `0` to city `n - 1`*.

Example 1:



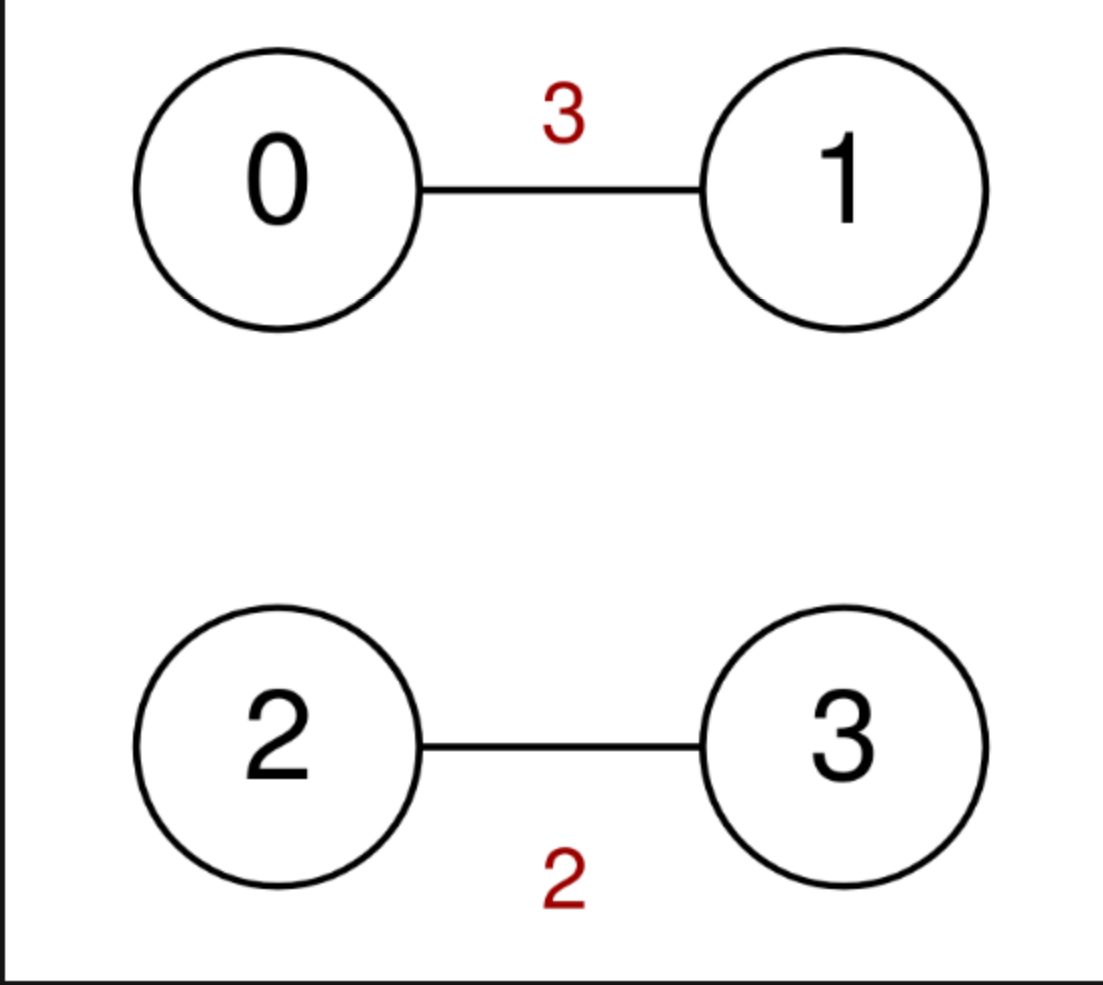
Input: `n = 5, highways = [[0,1,4],[2,1,3],[1,4,11],[3,2,3],[3,4,2]], discounts = 1`
Output: `9`
Explanation:
Go from `0` to `1` for a cost of `4`.
Go from `1` to `4` and use a discount for a cost of `11 / 2 = 5`.
The minimum cost to go from `0` to `4` is `4 + 5 = 9`.

Example 2:



Input: `n = 4, highways = [[1,3,17],[1,2,7],[3,2,5],[0,1,6],[3,0,20]], discounts = 20`
Output: `8`
Explanation:
Go from `0` to `1` and use a discount for a cost of `6 / 2 = 3`.
Go from `1` to `2` and use a discount for a cost of `7 / 2 = 3`.
Go from `2` to `3` and use a discount for a cost of `5 / 2 = 2`.
The minimum cost to go from `0` to `3` is `3 + 3 + 2 = 8`.

Example 3:



Input: `n = 4, highways = [[0,1,3],[2,3,2]], discounts = 0`
Output: `-1`
Explanation:
It is impossible to go from `0` to `3` so return `-1`.

Constraints:

- `2 <= n <= 1000`
- `1 <= highways.length <= 1000`
- `highways[i].length == 3`
- `0 <= city1i, city2i <= n - 1`
- `city1i != city2i`
- `0 <= tolli <= 105`
- `0 <= discounts <= 500`
- There are no duplicate highways.

