

5861. Maximum Earnings From Taxi

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There are n points on a road you are driving your taxi on. The n points on the road are labeled from 1 to n in the direction you are going, and you want to drive from point 1 to point n to make money by picking up passengers. You cannot change the direction of the taxi.

The passengers are represented by a **0-indexed** 2D integer array `rides`, where `rides[i] = [starti, endi, tipi]` denotes the i^{th} passenger requesting a ride from point `starti` to point `endi` who is willing to give a `tipi` dollar tip.

For **each** passenger i you pick up, you **earn** `endi - starti + tipi` dollars. You may only drive **at most one** passenger at a time.

Given n and `rides`, return the **maximum** number of dollars you can earn by picking up the passengers *optimally*.

Note: You may drop off a passenger and pick up a different passenger at the same point.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

Input: `n = 5, rides = [[2,5,4],[1,5,1]]`

Output: 7

Explanation: We can pick up passenger 0 to earn $5 - 2 + 4 = 7$ dollars.

Example 2:

Input: `n = 20, rides = [[1,6,1],[3,10,2],[10,12,3],[11,12,2],[12,15,2],[13,18,1]]`

Output: 20

Explanation: We will pick up the following passengers:

- Drive passenger 1 from point 3 to point 10 for a profit of $10 - 3 + 2 = 9$ dollars.
 - Drive passenger 2 from point 10 to point 12 for a profit of $12 - 10 + 3 = 5$ dollars.
 - Drive passenger 5 from point 13 to point 18 for a profit of $18 - 13 + 1 = 6$ dollars.
- We earn $9 + 5 + 6 = 20$ dollars in total.

Constraints:

- $1 \leq n \leq 10^5$
- $1 \leq \text{rides.length} \leq 3 \times 10^4$
- $\text{rides}[i].\text{length} == 3$
- $1 \leq \text{start}_i < \text{end}_i \leq n$
- $1 \leq \text{tip}_i \leq 10^5$

JavaScript



```

1 /**
2  * @param {number} n
3  * @param {number[][]} rides
4  * @return {number}
5  */
6 var maxTaxiEarnings = function(n, rides) {
7
8 };

```