2118. Maximum Earnings From Taxi

Difficulty: Medium

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

We earn 9 + 5 + 6 = 20 dollars in total.

https://leetcode.com/problems/maximum-earnings-from-taxi

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] = [start_i, end_i, tip_i] denotes the ith passenger requesting a ride from point start_i to point end_i who is willing to give a tip_i dollar tip.

For **each** passenger i you pick up, you **earn** end; - start; + tip; 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.

Example 1:

Output: 7

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

Constraints:

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1 <= n <= 10<sup>5</sup>
1 <= rides.length <= 3 * 10<sup>4</sup>
rides[i].length == 3
1 <= start<sub>i</sub> < end<sub>i</sub> <= n</li>
1 <= tip<sub>i</sub> <= 10<sup>5</sup>
```