**[Maximum Profit By Choosing A Subset Of Intervals](https://practice.geeksforgeeks.org/problems/649205908e04ac00f303626fa845261318adfa8f/1)**

Given a list **intervals** of **n** intervals, the **ith** element **[s, e, p]** denotes the starting point **s**, ending point **e**, and the profit **p** earned by choosing the **ith** interval. Find the maximum profit one can achieve by choosing a subset of non-overlapping intervals.

Two intervals **[s1, e1, p1]** and **[s2, e2, p2]** are said to be non-overlapping if **[e1 <= s2]** and **[s1 < s2]**.

**Example 1:**

**Input:**

n = 3

intervals = {

{1, 2, 4},

{1, 5, 7},

{2, 4, 4}

}

**Output:**

8

**Explanation:**

One can choose intervals [1, 2, 4] and [2, 4, 4] for a

profit of 8.

**Example 2:**

**Input:**

n = 3

intervals = {

{1, 4, 4},

{2, 3, 7},

{2, 3, 4}

}

**Output:**

7

**Explanation:**

One can choose interval [2, 3, 7] for a profit of 7.

**Your Task:**

You don't need to print or output anything. Complete the function **maximum\_profit()**which takes an integer **n**and a 2D integer array **intervals**and returns an integer, denoting the maximum profit which one can get by choosing the non-overlapping intervals.

**Constraints:**

* 1 <= n and n <= 104
* 1 <= starting point of **ith** interval < ending point of **ith** interval <= 105
* 1 <= profit earned by choosing **ith** interval <= 105