## Array Manipulation

Starting with a 1-indexed array of zeros and a list of operations, for each operation add a value to each the array element between two given indices, inclusive. Once all operations have been performed, return the maximum value in the array.

## Example

$n=10$
queries $=[[1,5,3],[4,8,7],[6,9,1]$
Queries are interpreted as follows:
$\square$
Add the values of $k$ between the indices $a$ and $b$ inclusive:

```
index-> 1 2 3 4 5 6 7 8 9 10
    [0,0,0, 0, 0,0,0,0,0, 0]
    [3,3,3, 3, 3,0,0,0,0, 0]
    [3,3,3,10,10,7,7,7,0, 0]
    [3,3,3,10,10,8,8,8,1, 0]
```

The largest value is 10 after all operations are performed.

## Function Description

Complete the function arrayManipulation in the editor below.
arrayManipulation has the following parameters:

- int $n$ - the number of elements in the array
- int queries[q][3] - a two dimensional array of queries where each queries[i] contains three integers, $a, b$, and $k$.


## Returns

- int - the maximum value in the resultant array


## Input Format

The first line contains two space-separated integers $n$ and $m$, the size of the array and the number of operations.
Each of the next $m$ lines contains three space-separated integers $a, b$ and $k$, the left index, right index and summand.

## Constraints

- $3 \leq n \leq 10^{7}$
- $1 \leq m \leq 2 * 10^{5}$
- $1 \leq a \leq b \leq n$
- $0 \leq k \leq 10^{9}$


## Sample Input

```
5
2 100
2 5 100
34100
```


## Sample Output

## 200

## Explanation

After the first update the list is 100100000 .
After the second update list is 100200100100100.
After the third update list is 100200200200100.
The maximum value is 200 .

