

Problem

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:

a	b	k
1	5	3
4	8	7
6	9	1

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

```
16 #
17
18 def arrayManipulation(n, queries):
19     s = [0] * (n+7)
20     for query in queries :
21         s[query[0]] += query[2]
22         s[query[1]+1] += -1 * query[2]
23     for i in range(1,n+1):
24         s[i] += s[i-1]
25     max = -1;
26     for i in range(n+1):
```

Line: 43 Col: 1

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Next Challenge

- Test case 0
- Test case 1
- Test case 2

Compiler Message

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