# Filling Jars



Q Search

**Problem Submissions** Leaderboard **Discussions** Animesh has n empty candy jars, numbered from 1 to n, with infinite capacity. He performs m operations. Each operation is described by f 3 integers, m a, m b, and m k. Here, m a and m b are indices of the jars, and m k is the Submissions: 17 number of candies to be added inside each jar whose index lies between a and b (both inclusive). Can you tell Max Score: 40 the average number of candies after m operations? **Difficulty:** Easy Example Rate This Challenge: n = 5operations = [[1, 2, 10], [3, 5, 10]]More

**Apply** 

The array has f 5 elements that all start at f 0. In the first operation, add f 10 to the first f 2 elements. Now the array

is [10,10,0,0,0]. In the second operation, add 10 to the last 3 elements (3 - 5). Now the array is

[10, 10, 10, 10, 10] and the average is 10. Sincd 10 is already an integer value, it does not need to be

**Function Description** 

rounded.

Complete the *solve* function in the editor below.

solve has the following parameters:

- *int n:* the number of candy jars
- *int operations[m][3]:* a 2-dimensional array of operations

#### **Returns**

• *int:* the floor of the average number of canidies in all jars

#### **Input Format**

The first line contains two integers, n and m, separated by a single space. m lines follow. Each of them contains three integers, a, b, and k, separated by spaces.

## Constraints

```
3 \le n \le 10^7
1 \leq m \leq 10^5
1 \le a \le b \le N
0 \le k \le 10^6
```

#### Sample Input

```
Function
STDIN
           n = 5, operations[] size = 3
5 3
            operations = [[1, 2, 100], [2, 5, 100], [3, 4, 100]]
1 2 100
2 5 100
3 4 100
```

### Sample Output

```
160
```

# **Explanation**

Initially each of the jars contains *0* candies

```
0 0 0 0
First operation:
  100 100 0 0 0
Second operation:
  100 200 100 100 100
Third operation:
```

<u>Lupload Code as File</u>

Test against custom input

100 200 200 200 100

```
Total = 800, Average = 800/5 = 160
                                                                                                   Clojure
    2
   3
      ; Complete the 'solve' function below.
   4
   5
        The function is expected to return an INTEGER.
        The function accepts following parameters:
         1. INTEGER n
         2. 2D_INTEGER_ARRAY operations
  10
   11
       (defn solve [n operations]
   12
  13
   14
   15
       (def fptr (get (System/getenv) "OUTPUT_PATH"))
   16
  17
       (def first-multiple-input (clojure.string/split (clojure.string/trimr (read-line)) #" "))
   18
   19
       (def n (Integer/parseInt (nth first-multiple-input 0)))
  20
  21
       (def m (Integer/parseInt (nth first-multiple-input 1)))
  23
       (def operations [])
  24
  25
      (doseq [_ (range m)]
  26
           (def operations (conj operations (vec (map #(Integer/parseInt %) (clojure.string/split (clojure.string/trimr (read-
      line)) #" ")))))
   28
  29
       (def result (solve n operations))
  30
   31
       (spit fptr (str result "\n") :append true)
  32
  33
                                                                                                                           Line: 1 Col: 1
```