

## range\_update

You have an array  $A$  of size  $N \leq 100000$ , initially every element is zero.

You have to process  $Q$  queries, each is one of the following

"add  $x$   $y$   $k$ " - add  $k$  to  $A[i]$  for every  $i$  between  $x$  and  $y$   
"query  $x$ " - print  $A[x]$

**Input:**

$N$   $Q$

The next  $Q$  lines are queries as mentioned above

**Output:**

The result of each "query" type queries, seperated by a space

**Sample Input 1:**

```
10 4
add 1 2 2
add 2 5 2
query 2
query 5
```

**Sample Output 1:**

```
4 2
```

**Notes:**

Everything fits in 64-bit integer.

The array  $A$  is one-indexed

$N, Q \leq 100000$