

Range Chmin Chmax Add Range Sum

AC一覧

Problem Statement

Given a size N interger sequence $a_0, a_1, \ldots, a_{N-1}$. Process the following Q queries in order:

- ullet 0 l r b : For each $i=l,\ldots,r-1$, $a_i\leftarrow \min(a_i,b)$
- 1 l r b: For each $i = l, \ldots, r 1$, $a_i \leftarrow \max(a_i, b)$
- 2 l r b : For each $i=l,\ldots,r-1$, $a_i \leftarrow a_i+b$
- 3 l r : Print $\sum_{i=l}^{r-1} a_i$

Constraints

- 1 < N, Q < 200,000
- ullet $|a_i| \leq 10^{12}$ is satisfied always while processing queries.
- 0 < l < r < N

1

```
5 7
1 2 3 4 5
3 0 5
2 2 4 100
3 0 3
0 1 3 10
3 2 5
1 2 5 20
3 0 5
```

```
15
106
119
147
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FORUM 🔑

Timelimit: 10 secs