Test
Problem ID: problem

Bla bla bla

Input

Input consists of three lines. The first line of input contains integers L, N where $0 < L < 10.000$ is the length of the array and $0 < N < 10.000$ is the number of operations. The second line of input consists of the integer sequence a_0, a_1,..., a_{L-1}. You can assume that $-10.000 < a_a < 10.000$. Following the second line of input comes N operations written in one of two forms:

- Updates are of the form 'update i v', where *i* is the index and *v* is the value.
- Min-queries are of the form 'min s e' where *s* is the start-index of the query and *e* is the end-index of the query.

Output

For every min-query, print out one integer: The minimum-value in the given range from *s* to *e*.

Sample Input 1

```
9 4
-5 22 3 7 55 -33 4 14 88
min 1 6
min 2 3
update 2 -175
min 2 6
```

Sample Output 1

```
-33
3
-5
-175
```

Sample Input 2

```
6 6
789 1234324 -24 9 -3004 55
min 3 4
update 3 -300
min 3 4
min 5 6
update 4 -3002
min 1 6
```

Sample Output 2

```
-24
-300
-3004
-3004
```