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## C. Assignment to Segment

time limit per test: 1 second memory limit per test: 1024 megabytes input: standard input output: standard output

There is an array of n elements, initially filled with zeros. You need to write a data structure that processes two types of queries:

- assign value v to all elements on the segment from l to r-1,
- find the current value of element i.

## Input

The first line contains two numbers n and m ( $1 \le n, m \le 100000$ ), the size of the array and the number of operations. The following lines contain the description of the operations. The description of each operation is as follows:

- 1 l r v: assign value v to all elements on the segment from l to r-1 ( $0 \le l < r \le n$ ,  $0 \le v \le 10^9$ ).
- 2 i: find the value of the element with index i ( $0 \le i < n$ ).

## **Output**

For each operation of the second type, print the corresponding value.

## **Example**

input	Сору
5 5 1 0 3 3	
2 1 1 2 4 4	
2 3	
2 4	
output	Сору
3 4	
0	

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