

## Module 2

### Big Numbers

#### Description

On a certain day, there was a child who was on his way home from school, he had just learned about numbers, he learned that 10 is greater than 9, 15 is smaller than 16, and so on. However, he had a problem, when faced with many numbers, he struggled to find the Nth largest number. Help this child to find it using a program.

#### Input Format

The first line of input contains T which represents the amount of data to be processed and N which is the number to be searched. Then, in the next line, there is input X which contains the data to be processed.

#### Constraint

$$0 \leq T \leq 10000$$
$$0 \leq N \leq 8000$$
$$0 \leq X \leq 100000$$

#### Output

Print out the largest number N-th in the data.

#### Sample Input 0

```
10 5
8 4 12 9 110 232 76 43 2 11
```

#### Sample Output 0

```
12
```