# **Shell Sort**



Given a list of items and an integer K. Print the Kth largest item in the list.

### **Input Format**

The first line contains two integers N and K.

Each of the next N lines contains an integer represents an element in the list.

#### **Constraints**

- 1 <= N <= 10^4
- -10^9 <= number <= 10^9
- 1 <= K <= N

#### **Output Format**

Print the Kth largest item.

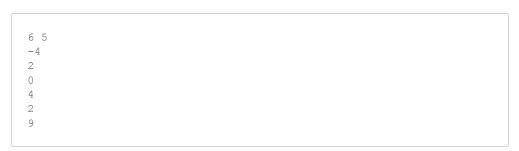
### Sample Input 0

```
5 2
4
6
3
8
-6
```

## Sample Output 0

6

### Sample Input 1



## Sample Output 1

0