#Problem 1:
Description:
You will be dealing with the heights of the students here. First, you will be given an integer value N denoting the number of students in the class. Then you will be given N numbers (can be floating point numbers) denoting the *height* of each student in some unit. The $i^{th}$ number will denote the *height* of the $i^{th}$ student. After that you will be given a value K.

In the assembly students are arranged from the smallest to largest height. You have to print the roll which will be standing in the $K^{th}$ position in such an arrangement. The rolls follow 1 based indexing.

Limits:
1<=N<=100000
1<=k<=100000
100 <= height <= 500

Test Cases:

| Input | Output |
|---|---|
| 5<br>100 105.3 500.7 200.3 161<br>3 | 5 |
| 4<br>205.1 181.2 173.7 181.2<br>2 | 3 |

#Problem 2:
Description:
You will be given N, 1D co-ordinates lying in the number line. You have to print the absolute minimum distance found between two given coordinates.

Limits:
1<=N<=100000

Test Cases:

| Input | Output |
|---|---|
| 5<br>7 10 9 -5 5 | 1 |
| 5<br>10 -15 15 12 3 | 2 |