Museum Heist

Jojo loves art. In his free time, he usually goes to the museum and admires the artwork there. Since Jojo loves art so much, he is planning a heist at the museum. Jojo knows the price of every piece of art and doesn't want to raise suspicion, so he decided to steal the second most expensive art piece. Help Jojo to determine the price of the second most expensive art piece. It is guaranteed that there are at least two art pieces with different prices.

Format Input

A line with integer N followed by another line of N numbers denoting the value of A_i.

Format Output

A single line of integer denoting the price of the second most expensive art piece.

Constraints

- $2 \leq N \leq 10^5$
- $1 \leq A_i \leq 10^9$

Sample Input 1

```
5
1 7 2 5 3
```

Sample Output 1

```
5
```

Sample Input 2

```
4
1 7 9 9
```

Sample Output 2

```
7
```

Sample Input 3

```
7
11 11 13 13 13 12 11
```

Sample Output 3

```
11
```

Museum Heist

Jojo sangat menyukai seni. Di waktu luangnya, Ia biasanya pergi mengunjungi museum dan mengagumi karya seni yang dipamerkan. Karena Ia sangat menyukai seni, Jojo telah merencanakan perampokan museum tersebut. Jojo mengetahui harga dari setiap karya seni dan tidak ingin menimbulkan kecurigaan. Maka dari itu, Ia memutuskan untuk mencuri karya seni termahal kedua di museum tersebut. Bantulah Jojo menentukan harga dari karya seni termahal kedua di museum tersebut. Dapat dipastikan bahwa terdapat setidaknya dua buah karya seni yang bernilai beda.

Format Input

Satu baris berisi bilangan bulat N diikuti oleh satu baris berisi N angka yang menyatakan nilai dari A_i.

Format Output

Satu baris berisi bilangan yang menyatakan harga dari karya seni termahal kedua.

Constraints

- $2 \leq N \leq 10^5$
- $1 \leq A_i \leq 10^9$

Sample Input 1

```
5
1 7 2 5 3
```

Sample Output 1

```
5
```

Sample Input 2

```
4
1 7 9 9
```

Sample Output 2

```
7
```

Sample Input 3

```
7
11 11 13 13 13 12 11
```

Sample Output 3

```
11
```