

Problem 0:

Find the maximum value in an array of numbers.

Input

The first line contains integer n ($1 \leq n \leq 1000$) – the number of elements in the array.
The second line contains space-separated numbers in the array.

Output

On a single line, print out the maximum value of the given array.

Input

```
5
7 9 3 2 -2 5
```

Output

```
9
```

Problem 1:

Find the largest prime number in an array of integers.

Input

The first line contains integer n ($1 \leq n \leq 1000$) – the number of elements in the array.
The second line contains space-separated numbers in the array.

Output

On a single line, print out the biggest primer number within the array.

Input

```
5
7 9 3 2 -2 5
```

Output

```
7
```

Problem 2:

Find the first and last occurrences of a specific integer within a given array of numbers.

Input

The first line contains integer n ($1 \leq n \leq 1000$) – the number of elements in the array, while the second line has the candidate value. Finally, the third line contains space-separated numbers in the array.

Output

On a single line, print out the positions of the first and last occurrences of the given candidate.

Input

7

7

7 9 3 2 -2 5 7

Output

0 6