



Утегенов Батырхан Елембетұлы [ADS-Lab-03]: Submit a solution

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Submit a solution for I-75883. Binary search

Time limit: 1 s

Real time limit: 5 s

Memory limit: 256M

Problem I: 75883. Binary search

You are given a sorted array. Try to find number x from this array.

Input format

You are given n and n elements. After that, in the next line you are given a number x .

Output format

If the given number x is in this array, print Yes, else print No.

Examples

Input

```
5
1 2 3 4 5
1
```

Output

```
Yes
```

Input

```
5
1 2 3 4 5
2
```

Output

```
Yes
```

Input

```
5
1 2 3 4 5
7
```

Output

```
No
```

Input

```
5
1 2 3 4 5
10
```

Output

```
No
```

Input

```
5
1 2 3 4 5
```

1 2 3 4 5

Output

Yes

Submit a solution

Language: g++ - GNU C++ 11.4.0

File Choose File No file chosen

Send! Send!

Previous submissions of this problem

Run ID	Time	Size	Problem	Language	Result	Failed test	View source	View report
5274	893:21:01	549	I	g++	OK	N/A	View	View

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[ejudge 3.10.3+ \(GIT 6da71ff82\) \(2023-08-02 06:59:26\)](#).

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