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Easy Multiplication!!!   🔒 locked

Problem	Submissions	Discussions

Problem Statement

You are given an array of N integers.The next line will contain Q queries.In each query you are given two intgers L and R. Now calculate the multiplication between **L to R.** If the multiplication between L to R is **greater than zero** print **YES** otherwise print **NO**.

Note: The input file is too large. Must use fast I/O and don't use endl. Use "\n" instead of endl.

Fast I/O: Add these 2 lines at the first of main function -

```
ios::sync_with_stdio(false);
cin.tie(NULL);
```

Input Format

- The first line contains a single positive integer **N** (size of the array).

- The second line will contain **N** ntegers (values of the array).

- The third will contain a **Q** . The next lines will contain **Q** queries. In each line of the query will contain two values **L** and **R**

Constraints

- $1 \leq N \leq 10^6$

- $1 \leq Q \leq 5 * 10^6$

- $0 \leq A_i \leq 2$ (Where $1 \leq i \leq N$)

- $1 \leq L \leq R \leq N$

Output Format

If the multiplication between L to R is **greater than zero** print **YES** otherwise print **NO**.

Sample Input 0

```
16
1 0 2 1 1 2 2 1 2 0 2 1 0 1 1 0
7
3 7
4 13
6 7
5 16
8 11
15 15
2 5
```
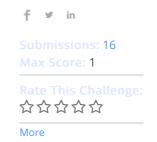
Sample Output 0

```
YES
NO
YES
NO
NO
YES
NO
```

Explanation 0

- In the first query, the multiplication of the range A[3] to A[7] = 8 , which is greater than zero and as a result the answer is YES.

- In the second query, the multiplication of the range A[4] to A[13] = 0 , which is zero and as a result the answer is NO.

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Submissions: 16
Max Score: 1

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More

C++20

```cpp
1  #include <map>
2  #include <set>
3  #include <list>
4  #include <cmath>
5  #include <ctime>
6  #include <deque>
7  #include <queue>
8  #include <stack>
9  #include <string>
10 #include <bitset>
11 #include <cstdio>
12 #include <limits>
13 #include <vector>
14 #include <climits>
15 #include <cstring>
16 #include <cstdlib>
17 #include <fstream>
18 #include <numeric>
19 #include <sstream>
20 #include <iostream>
21 #include <algorithm>
22 #include <unordered_map>
23
24 using namespace std;
25 int main() {
26     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
27     return 0;
28 }
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code