hackerearth

02 : 17 : 12
HRS   MIN   SEC

Shopee Code League 2022 - Qualification Round

LIVE   INVITE ONLY ACCESS

Mar 19, 2022, 03:00 PM SGT - Mar 19, 2022, 06:00 PM SGT

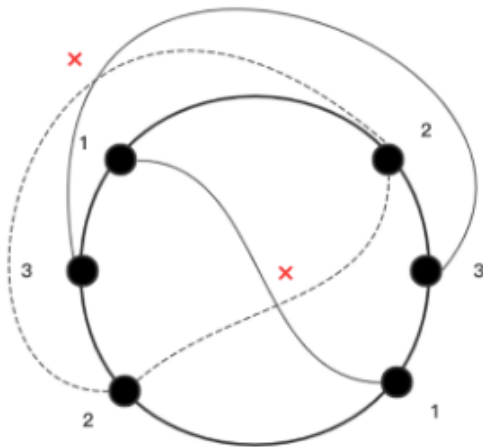INSTRUCTIONS   PROBLEMS   SUBMISSIONS   LEADERBOARD   ANALYTICS   JUDGE
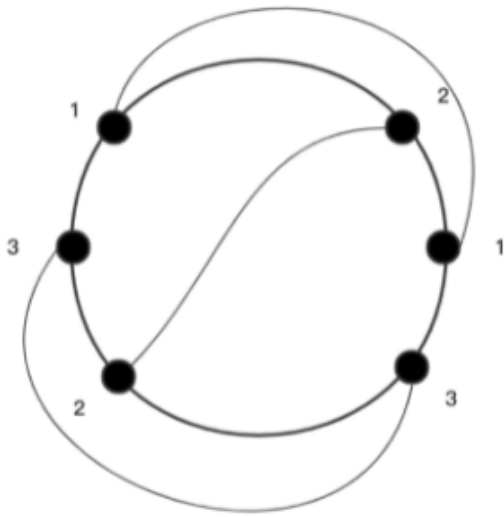
← Problems / Connecting the Numbers

Connecting the Numbers

Max. score: 100

There are $2 * n$ points on the circle which are on the two-dimensional plane. Each point has a 1 to N number and each number appears twice. The same numbers should be connected, but the following restrictions should be met:

 1) Lines cannot intersect

 2) Select to connect outside or inside the circle

Sample

case 1 :

case 2 :

Input Format

The first line contains one integer t ($1 \leq t \leq 50$) - the number of test cases. Each test case consists of two lines:

The first line contains one integer n ($2 \leq n \leq 10^5$) - the number of points.

The second line contains $2*n$ integers ni ($1 \leq i \leq 2*n, 1 \leq n_i \leq n$) - the number of clockwise points.

Output Format

For each test case, print yes if there is a solution. Otherwise, print no.

SAMPLE INPUT

```
2
3
1 2 3 1 2 3
3
1 2 1 3 2 3
```

SAMPLE OUTPUT

```
no
yes
```

Explanation

NA

Time Limit:	2.5 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Score is assigned when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, C++17, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, Java 14, JavaScript

JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python,
Python 3, Python 3.8, Racket, Ruby, Rust, Scala, Swift-4.1, Swift, TypeScript, Visual Basic

CODE EDITOR

Save   C++14 (g++ 10.3.0)

```
1    /*
2    // Sample code to perform I/O:
3
4    cin >> name;                          // Reading input from STDIN
5    cout << "Hi, " << name << ".\n";       // Writing output to STDOUT
6
7    // Warning: Printing unwanted or ill-formatted data to output will cause
     the test cases to fail
8    */
9
10   // Write your code here
11
```

1:1 vscode

Test against custom input ▼

Compile & Test code   Submit code

🖋 **Tip:** You can submit any number of times you want. Your best submission is considered for computing total score.

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