



02 : 53 : 52
HRS MIN SEC

Shopee Code League 2022 - Qualification Round

LIVE

INVITE ONLY ACCESS

Mar 19, 2022, 02:00 PM WIB - Mar 19, 2022, 05:00 PM WIB

INSTRUCTIONS

PROBLEMS

SUBMISSIONS

LEADERBOARD

ANALYTICS

JUDGE

[← Problems](#) / Connecting the Numbers

Connecting the Numbers

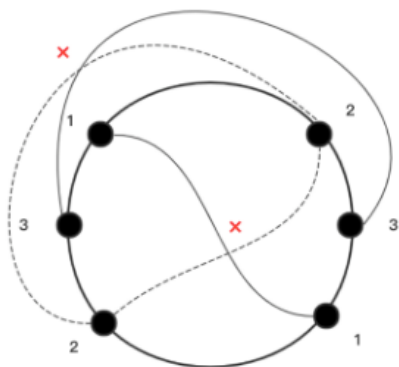
Max. score: 100

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:

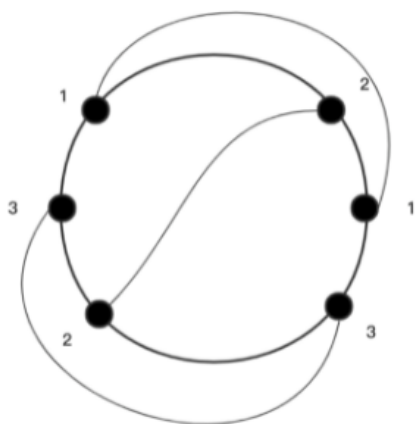
- 1) Lines cannot intersect
- 2) Select to connect outside or inside the circle

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 $2 \cdot n$ integers n_i ($1 \leq i \leq 2 \cdot n, 1 \leq n_i \leq n$) - 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(Rhino), 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 (gcc 10.3)

1 /*
2 // Sample code to perform I/O:
3 #include <stdio.h>
4
5 int main(){
6 int num;
7 scanf("%d", &num); // Reading input from STDIN
8 printf("Input number is %d.\n", num); // Writing output to STDOUT
9 }
10
11 // Warning: Printing unwanted or ill-formatted data to output will cause the test cases to fail
12 */
13
14 // Write your code here
15

?

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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