



Valid Bracket Sequences - Part1

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✓ Points: 50 (partial)
② Time limit: 1.0s

■ Memory limit: 256M

✓ Allowed languages

Please Note: This problem has Part 1 and Part 2. Part 1 requires you to only output YES or NO. Part 2 requires you to also provide the index of the corresponding opening bracket

Problem Statement

DSA TA's were bored of making lab questions and stuck back to valid bracket sequences.

Given a string, determine if the string forms a valid bracket sequence or not.

Input Format

- The first line contains a single integer **n**, the length of the string.
- The second line contains the string.
- It is guarenteed that all characters part of the string belong to the set ({,},(,),[,]).

Output Format

• Print the answer in a single line in block letters (YES or NO).

Constraints

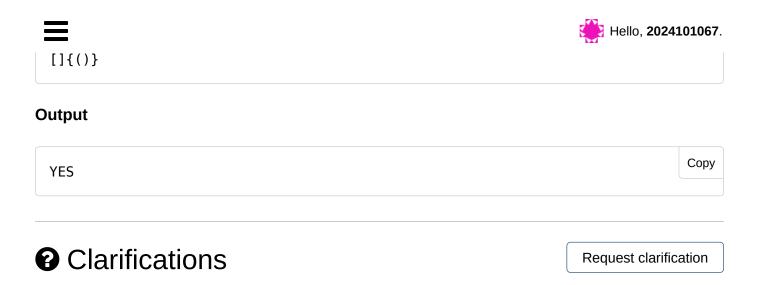
• $[1 \le n \le 2 * 10^5]$

Example

Innut

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No clarifications have been made at this time.

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