



Hello, 2024101067.

Valid Bracket Sequences - Part2

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Please note: This is a minor modification of part 1 of this question. You can reuse your code from the previous part to solve this as well.

Problem Statement

Given a string, determine if the string forms a valid bracket sequence or not. If it forms a valid bracket sequence, then for each closing bracket, print the index of its corresponding opening bracket. For opening brackets, print -1.

Input Format

- The first line contains a single integer **n**, the length of the string.
- The second line contains the string.
- It is guaranteed 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).
- If answer is **YES**, then in the next line print **n** space separated integers- the indices of the corresponding opening brackets. In case of opening brackets, print **-1**. { Note the indices are 1-indexed }

Constraints

- $1 \leq n \leq 2 * 10^5$

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```
6
[]{() }
```

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Output

```
YES
-1 1 -1 -1 4 3
```

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? Clarifications

[Request clarification](#)

No clarifications have been made at this time.