Check brackets in the code

Constraints. The length of is at least 1 and at most $10^5\,$

Your friend is making a text editor for programmers. He is currently working on a feature that will find errors in the usage of different types of brackets. The code can contain any brackets from the set $[]\{\}()$, where the opening brackets are $[],\{],\{]$ and $[],\{]$ and the closing brackets corresponding to them are $[],\{],\{],\{],\{],\{]\}$ and $[],\{],\{],\{],\{],\{],\{]\}$ and $[],\{],\{],\{],\{],\{],\{],\{],\{],\{],\{],\{],\{],\{]$
Input Format:
Input contains one string which consists of big and small latin letters, digits, punctuation marks and brackets from the set $[]\{\}()$.

Output Format:

If the code in uses brackets correctly, output "Success" (without the quotes). Otherwise, output the 1-based index of the first unmatched closing bracket, and if there are no unmatched closing brackets, output the 1-based index of the first unmatched opening bracket.

Sample 1

Input:

[]

Output:

Success

Explanation:

The brackets are used correctly: there is just one pair of brackets [and], they correspond to each

other, the left bracket [goes before the right bracket], and no two pairs of brackets intersect, because there is just one pair of brackets. Sample 2 Input: []{} **Output:** Success **Explanation:** The brackets are used correctly: there are two pairs of brackets — first pair of { and }, and second pair of [and] — and these pairs do not intersect. Sample 3. Input: [()] **Output:** Success **Explanation:** The brackets are used correctly: there are two pairs of brackets — first pair of [and], and second pair of (and) — and the second pair is nested inside the first pair. Sample 4. Input: (())

Output:

Success
Explanation:
Pairs with the same types of brackets can also be nested.
Sample 5.
Input:
{[]}()
Output:
Success
Explanation:
Here there are 3 pairs of brackets, one of them is nested into another one, and the third one is separate from the first two.
Sample 6.
Input:
{
Output:
1
Explanation:
The code (deepn't use brackets correctly because brackets cannot be divided into pairs (there is

The code { doesn't use brackets correctly, because brackets cannot be divided into pairs (there is just one bracket). There are no closing brackets, and the first unmatched opening bracket is {, and its position is 1, so we output 1.

Sample 7

Input:

{[}

Output:

3

Explanation:

The bracket } is unmatched, because the last unmatched opening bracket before it is [and not {. It is the first unmatched closing bracket, and our first priority is to output the first unmatched closing bracket, and its position is 3, so we output 3.

Sample 8

Input:

foo(bar);

Output:

Success

Explanation:

All the brackets are matching, and all the other symbols can be ignored.

Sample 9

Input:

foo(bar[i);

Output:

10

Explanation:) doesn't match [, so) is the first unmatched closing bracket, so we output its position, which is 10