Longest Palindrome Substring BF

Given string S, using brute force algorithm to find the longest palindrome substring of S.

Input Format

A string S.

Constraints

- $0 \leq \text{len}(S) \leq 2000$

- S can contain lowercase, uppercase and digits.

Output Format

Print the length of the longest palindrome substring and it, separate by a space.

Sample Input 0

```
ToT
```

Sample Output 0

```
3 ToT
```

Explanation 0

3 is the length of longest palindrome substring and 'ToT' is the longest palindrome substring.

Sample Input 1

```
ababc
```

Sample Output 1

```
3 aba
```

Explanation 1

Both 'aba' and 'bab' are the longest palindrome substring. Therefore, return the first one found.