

3540 - Exactly K Times

Description

This is a simple task. Given a string S you need to find the length of the longest substring which appears exactly K times in S . If such substring does not exist print -1 .

Input specification

The first line of input contain a integer number K ($1 \leq K \leq 1000$). The second line of input contains the string S ($1 \leq |S| \leq 1000$) composed of lowercase letters of the English alphabet.

Output specification

A single line with the length of the found substring or -1 if it does not exist.

Sample input

```
2
abacaba
```

Sample output

```
3
```

Hint(s)

Source	Antonio González Borrego
Added by	agborrego
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Time limit (ms)	0
Test limit (ms)	0
Memory limit (kb)	0
Output limit (mb)	64

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Size limit (bytes)

0

Enabled languages

Bash C C# C++ C++11 Java

JavaScript-NodeJS Pascal Perl PHP

Prolog Python Ruby Text