

## B. Two-gram

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Two-gram is an ordered pair (i.e. string of length two) of capital Latin letters. For example, "AZ", "AA", "ZA" — three distinct two-grams.

You are given a string  $s$  consisting of  $n$  capital Latin letters. Your task is to find **any** two-gram contained in the given string **as a substring** (i.e. two consecutive characters of the string) maximal number of times. For example, for string  $s = \text{"BBAABBB"}$  the answer is two-gram "BB", which contained in  $s$  three times. In other words, find any most frequent two-gram.

Note that occurrences of the two-gram can overlap with each other.

### Input

The first line of the input contains integer number  $n$  ( $2 \leq n \leq 100$ ) — the length of string  $s$ . The second line of the input contains the string  $s$  consisting of  $n$  capital Latin letters.

### Output

Print the only line containing exactly two capital Latin letters — **any** two-gram contained in the given string  $s$  **as a substring** (i.e. two consecutive characters of the string) maximal number of times.

### Examples

input	Copy
7 ABACABA	
output	Copy
AB	
input	Copy
5 ZZZAA	
output	Copy
ZZ	

### Note

In the first example "BA" is also valid answer.

In the second example the only two-gram "ZZ" can be printed because it contained in the string "ZZZAA" two times.

### Codeforces Round #479 (Div. 3)

Finished

Practice



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Language: GNU G++20 11.2.0 (64 bit, w)

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- Tutorial



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