

## B. String inside out

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

You are given a string  $S$  of even length  $s_1..s_{2n}$ . Perform the following manipulations:

- divide it into two halves  $s_1..s_n$  and  $s_{n+1}..s_{2n}$
- reverse each of them  $s_n..s_1$  and  $s_{2n}..s_{n+1}$
- concatenate the resulting strings into  $s_n..s_1s_{2n}..s_{n+1}$

Output the result of these manipulations.

### Input

The only line of the input contains a string of lowercase Latin letters. The length of the string is between 2 and 20, inclusive, and it is even.

### Output

Output the string which is the result of the described manipulations.

### Examples

<b>input</b>
codeforces
<b>output</b>
fedocsecro

  

<b>input</b>
qwertyasdfgh
<b>output</b>
ytrewqhgfdsa