

Problem A. 76433. ASC sort

Input file: standard input
Output file: standard output
Time limit: 1 second
Memory limit: 256 megabytes

You are given N integers. Sort the N integers by ascending order. Store N integers in a vector.

Input

The first line of input contains the number N - number of integers.
The second line contains a sequence of integers.

Output

Print out sorted integers

Example

standard input	standard output
4 20 3 7 9	3 7 9 20

Problem B. 76472. Add element

Input file: standard input
Output file: standard output
Time limit: 1 second
Memory limit: 256 megabytes

You are given n integers. Then two integers k , ($0 \leq k \leq n - 1$) — index in the sequence and a — given value. Your task is to insert number a at index k . Store n integers in a vector.

Input

The first line of input contains the number n - the number of integers. The second line contains a sequence of integers. The third line contains integers k and a .

Output

Print out newly created sequence

Example

standard input	standard output
5 2 3 8 -3 4 1 10	2 10 3 8 -3 4

Problem C. 399205. Capitalize String First Letter

Input file: `standard input`
Output file: `standard output`
Time limit: 1 second
Memory limit: 256 megabytes

Write a function that gets a string and makes only the first letter uppercase. All other letters should be lowercase. Apply this function to the given string.

Input

A single string S ($1 \leq S \leq 100$), consisting of alphabetic characters.

Output

The same string with only the first letter in uppercase, and all other letters in lowercase.

Example

standard input	standard output
heLLoWoRLD!	Helloworld!