

Python junior testing his keyboard

Mostafa is a junior python programmer, he is not really a programmer, but he is learning.

He started submitting scripts on SPOJ, but he is frustrated by the input function, and he don't know why SPOJ keep giving him (runtime error NZEC).

He want your help to read some numbers, and print them increased by 1

Input

There will be only 1 line (to make it easy for the junior programmer)

The line contains n numbers (a_i) Where ($1 \leq n \leq 1000$) and ($1 \leq a_i \leq 1000$)

The numbers are separated by spaces

Output

You should output n numbers (b_i), Where $b_i = a_i + 1$

(Note: In this problem, you can print the numbers separated by a space or a new line)

Example1

Input:

1

Output:

2

Example2

Input:

9 8 7 6 5 4 3 2 1

Output:

10

9

8

7

6

5

4

3

2

Example3

Input:

123 456 999 1000

Output:

124

457

1000

1001