

The next odd number

Given an integer $1 \leq N \leq 10000$, you have to print the next odd number.

Score is the length of your source.

Input

The input file consists of series of numbers one in each line. The input is terminated by EOF.

Output

The next odd number.

Example

Input:

5
2
6
17

Output:

7
3
7
19

PS: Take care about your fingers, do not use more than 100 bytes of code.