

Next odd extreme golf

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

Just one restriction you have to equal or better my best 14 bytes solution..

<http://www.spoj.com/ranks/NEXTODD/>

Score = source code length

Input

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

Output

The next odd number followed by a newline

Example

Input:

5
2
6
17

Output:

7
3
7
19