Problem C. Highest Divisor

Time limit	1000 ms
Code length Limit	50000 B
OS	Linux

Read problem statements in Hindi, Bengali, Mandarin Chinese, Russian, and Vietnamese as well.

You are given an integer N. Find the largest integer between 1 and 10 (inclusive) which divides N.

Input

The first and only line of the input contains a single integer N.

Output

Print a single line containing one integer — the largest divisor of N between 1 and 10.

Constraints

- $2 \leq N \leq 1,000$

Subtasks

Subtask #1 (100 points): original constraints

Sample 1

Input	Output
91	7

The divisors of 91 are $1, 7, 13, 91$, out of which only 1 and 7 are in the range $[1, 10]$. Therefore, the answer is $\max(1, 7) = 7$.

Sample 2

Input	Output
24	8

The divisors of 24 are $1, 2, 3, 4, 6, 8, 12, 24$, out of which $1, 2, 3, 4, 6, 8$ are in the range $[1, 10]$. Therefore, the answer is $\max(1, 2, 3, 4, 6, 8) = 8$.