

Problem D. 326-like Numbers

Time limit 2000 ms

Mem limit 1048576 kB

Problem Statement

A **326-like number** is a three-digit positive integer where the product of the hundreds and tens digits equals the ones digit.

For example, 326, 400, 144 are 326-like numbers, while 623, 777, 429 are not.

Given an integer N , find the smallest 326-like number greater than or equal to N . It always exists under the constraints.

Constraints

- $100 \leq N \leq 919$
- N is an integer.

Input

The input is given from Standard Input in the following format:

N

Output

Print the answer.

Sample 1

Input	Output
320	326

320, 321, 322, 323, 324, 325 are not 326-like numbers, while 326 is a 326-like number.

Sample 2

Input	Output
144	144

144 is a 326-like number.

Sample 3

Input	Output
516	600