

Product of numbers

Time limit: 1 second

Memory limit: 2048 megabytes

In this program, you will receive a positive integer number **m**, and your task is to find the minimal positive integer number **q** so that the product of all digits in **q** is equal to **m**.

- **Input Format**

The first line has one number **m**.

- **Output Format**

The minimal positive number **q**. If we can't find **q**, print “-1” (negative one).

- **Technical Specifications**

■ $1 \leq m \leq 10^9$

Input	Output
10	25
22	-1
1	1

