

# **N DIV PHI\_N**

**Given an integer  $N \leq 10^{40}$  find the smallest  $m \leq N$  such that  $m/\phi(m)$  is maximum.**

## **Input**

**N1**

**N2**

.

.

**N20**

## **Output**

**m1**

**m2**

.

.

**m20**

## **Example**

### **Input:**

10

.

.

### **Output:**

6

.

.