# ELITE NUMBERS

Let's call an integer number *elite* if it is divisible by every digit of its decimal representation.

Given an integer $x$, your program must find the smallest elite number greater than or equal to $x$.

**Input**

Input file contains the integer $x$ ($1 \leq x \leq 10^{10}$).

**Output**

Output file must contain a single integer — the smallest elite number.

**Examples**

| № | stdin | stdout |
|---|---|---|
| 1 | 10 | 11 |
| 2 | 7777777777 | 7777777777 |