Problem S1: From 1987 to 2013

Problem Description
You might be surprised to know that 2013 is the first year since 1987 with distinct digits. The years 2014, 2015, 2016, 2017, 2018, 2019 each have distinct digits. 2012 does not have distinct digits, since the digit 2 is repeated.

Given a year, what is the next year with distinct digits?

Input Specification
The input consists of one integer Y ($0 \leq Y \leq 10000$), representing the starting year.

Output Specification
The output will be the single integer D, which is the next year after Y with distinct digits.

Sample Input 1
```
1987
```

Output for Sample Input 1
```
2013
```

Sample Input 2
```
999
```

Output for Sample Input 2
```
1023
```