

Uday's Special Problem

Uday Shetty finally found boy worthy for his daughter. He discovered that his daughter's birthday is on May(5th Month) and her husband's birthday is on March(3rd Month). With this information he wants to buy a gift for their happy marriage such that the price of each gift is always a number containing the digits 5 or 3.

For this he trusts you, your job is to take a number N from him and find the number which satisfies these conditions:

- It should be greater than N
- It should be the least number consisting of only the digits 5 or 3

Input Format

First line of input contains number of test cases T. Each test case contains a single number N.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq N \leq 10^{100}$

Output Format

For each test case, print the number found in a separate line.

Sample Input 0

```
4
4
48
130
98
```

Sample Output 0

```
5
53
333
333
```