

# Sherlock and The Beast

## Problem Statement

Sherlock Holmes is getting paranoid about Professor Moriarty, his archenemy. All his efforts to subdue Moriarty have been in vain. These days Sherlock is working on a problem with Dr. Watson. Watson mentioned that the CIA has been facing weird problems with their supercomputer, 'The Beast', recently.

This afternoon, Sherlock received a note from Moriarty, saying that he has infected 'The Beast' with a virus. Moreover, the note had the number  $N$  printed on it. After doing some calculations, Sherlock figured out that the key to remove the virus is the largest 'Decent' Number having  $N$  digits.

A 'Decent' Number has -

1. 3 or 5 or both as its digits. No other digit is allowed.
2. Number of times 3 appears is divisible by 5.
3. Number of times 5 appears is divisible by 3.

Meanwhile, the counter to destruction of 'The Beast' is running very fast. Can you save 'The Beast', and find the key before Sherlock?

## Input Format

The 1st line will contain an integer  $T$ , the number of test cases. This is followed by  $T$  lines, each containing an integer  $N$  i.e. the number of digits in the number

## Output Format

Largest Decent number having  $N$  digits. If no such number exists, tell Sherlock that he is wrong and print '-1'

## Constraints

$$1 \leq T \leq 20$$

$$1 \leq N \leq 100000$$

## Sample Input

```
4
1
3
5
11
```

## Sample Output

```
-1
555
33333
5555533333
```

## Explanation

For  $N=1$ , there is no such number.

For  $N=3$ , 555 is only possible number.

For  $N=5$ , 33333 is only possible number.

For  $N=11$ , 5555533333 and all of permutations of digits are valid numbers, among them, the given number is the largest one.