Sherlock Holmes suspects his archenemy Professor Moriarty is once again plotting something diabolical. Sherlock's companion, Dr. Watson, suggests Moriarty may be responsible for MI6's recent issues with their supercomputer, *The Beast*.

Shortly after resolving to investigate, Sherlock receives a note from Moriarty boasting about infecting *The Beast* with a virus. He also gives him a clue: an integer. Sherlock determines the key to removing the virus is to find the largest *Decent Number* having that number of digits.

A *Decent Number* has the following properties:

1. Its digits can only be *3*'s and/or *5*'s.
2. The number of *3*'s it contains is divisible by *5*.
3. The number of *5*'s it contains is divisible by *3*.
4. It is the largest such number for its length.

Moriarty's virus shows a clock counting down to *The Beast*'s destruction, and time is running out fast. Your task is to help Sherlock find the key before *The Beast* is destroyed!

For example, the numbers 55533333 and 555555 are both decent numbers because there are 3 5's and 5 3's in the first, and 6 5's in the second. They are the largest values for those length numbers that have proper divisibility of digit occurrences.

Function Description

Complete the *decentNumber* function in the editor below. It should print the decent number for the given length, or -1 if a decent number of that length cannot be formed.

decentNumber has the following parameter(s):

- *n*: the integer length of the decent number to create

Input Format

The first line is an integer, t, denoting the number of test cases.

The next t lines each contain an integer n, the number of digits in the number.

Constraints

$1 \leq t \leq 20$
$1 \leq n \leq 100000$

Output Format

Print the *Decent Number* having n digits; if no such number exists, tell Sherlock by printing -1.

Sample Input

```
4
1
3
5
11
```

Sample Output

```
-1
555
33333
55555533333
```

Explanation

For $n = 1$, there is no *Decent Number* having 1 digit (so we print -1).
For $n = 3$, 555 is the only possible number. (*Decent Number Property 3*).
For $n = 5$, 33333 is the only possible number. (*Decent Number Property 2*).
For $n = 11$, 55555533333 is the *Decent Number*. All other permutations of these digits are not *decent* (*Decent Number Property 4*).