#### **Sum Palindrome**

Given a number, reverse it and add it to itself unless it becomes a palindrome or the the count becomes 5 times. If it becomes a palindrome then print that palindrome number, otherwise print -1.

**Input:** First line of the input contains an integer T denoting the number of test cases. Each test case has a single line containing a number.

**Output:** Corresponding to each test case, print the palindrome number or -1 as stated above.

#### **Constraints:**

 $1 \le T \le 200$ 

 $1 \le N \le 1000$ 

# **Example:**

## **Input:**

2

23

30

### **Output:**

55

33