A palindromic number reads the same both ways. The smallest 6-digit palindrome made from the product of two 3-digit numbers is 101101 = 143 \* 107.  
  
Find the largest palindrome made from the product of two 3-digit numbers which is less than N.

**Input Format**

First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer N.

**Constraints**

* 1 <= T <= 100
* 101101 < N < 10^6

**Output Format**

Print the required answer for each test case in a new line.

**Sample Input 0**

2

101110

800000

**Sample Output 0**

101101

793397