Project Euler #4: Largest palindrome product



|  |  |  |
| --- | --- | --- |
| is product of | and | . |
| is product of | and | . |

This problem is a programming version of [Problem 4](https://projecteuler.net/problem%3D4) from [projecteuler.net](https://projecteuler.net/)

A palindromic number reads the same both ways. The smallest 6 digit palindrome made from the product of two 3-digit numbers is   .

Find the largest palindrome made from the product of two 3-digit numbers which is less than .

# Input Format

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

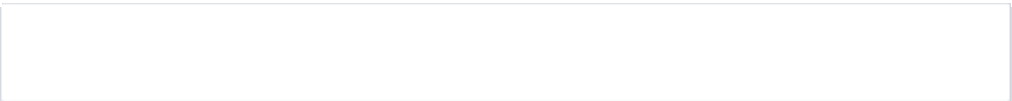
# Constraints



**Output Format**

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

# Sample Input 0

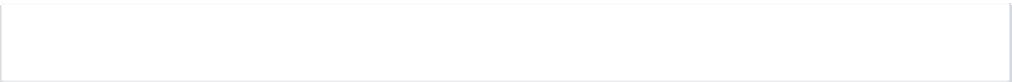


2

101110

800000

**Sample Output 0**



101101

793397

# Explanation 0

