

@LeetCode

Find the largest palindrome made from the product of two  $n$ -digit numbers.

Since the result could be very large, you should return the largest palindrome mod 1337.

**Example:**

Input: 2

Output: 987

Explanation:  $99 \times 91 = 9009$ ,  $9009 \% 1337 = 987$

**Note:**

The range of  $n$  is  $[1,8]$ .