Problem 479: Largest Palindrome Product

Problem Information

Difficulty: Hard
Acceptance Rate: 37.57%
Paid Only: No
Tags: Math, Enumeration

Problem Description

Given an integer n, return _the**largest palindromic integer** that can be represented as the product of two `n`-digits integers_. Since the answer can be very large, return it **modulo** `1337`.

Example 1:

Input: n = 2 **Output:** 987 Explanation: 99 x 91 = 9009, 9009 % 1337 = 987

Example 2:

Input: n = 1 **Output:** 9

Constraints:

* `1 <= n <= 8`

Code Snippets

C++:

```
class Solution {
public:
int largestPalindrome(int n) {

}
```

```
};
```

Java:

```
class Solution {
public int largestPalindrome(int n) {

}
}
```

Python3:

```
class Solution:
def largestPalindrome(self, n: int) -> int:
```