Given an integer n, your task is to count how many strings of length n can be formed under the following rules:

* Each character is a lower case vowel ('a', 'e', 'i', 'o', 'u')
* Each vowel 'a' may only be followed by an 'e'.
* Each vowel 'e' may only be followed by an 'a' or an 'i'.
* Each vowel 'i' **may not** be followed by another 'i'.
* Each vowel 'o' may only be followed by an 'i' or a 'u'.
* Each vowel 'u' may only be followed by an 'a'.

Since the answer may be too large, return it modulo 10^9 + 7.

**Example 1:**

Input: n = 1  
Output: 5  
Explanation: All possible strings are: "a", "e", "i" , "o" and "u".

**Example 2:**

Input: n = 2  
Output: 10  
Explanation: All possible strings are: "ae", "ea", "ei", "ia", "ie", "io", "iu", "oi", "ou" and "ua".

**Example 3:**

Input: n = 5  
Output: 68

**Constraints:**

* 1 <= n <= 2 \* 10^4