# Project Euler #164: Numbers for which no three consecutive digits have a sum greater than a given value.

This problem is a programming version of Problem 164 from projecteuler.net

How many $m - digit$ numbers $n$ (without any leading zero) exist such that no three consecutive digits of $n$ have a sum greater than 9?

Print answer modulo $(10^9 + 7)$.

**Input Format**

One integer is given on first line representing $m$.

**Constraints**

- $3 \leqslant m \leqslant 100$

**Output Format**

Print one integer which is the answer modulo $(10^9 + 7)$

**Sample Input 0**

```
3
```

**Sample Output 0**

```
165
```