Project Euler #31: Coin sums

This problem is a programming version of Problem 31 from projecteuler.net

In England the currency is made up of pound, £, and pence, p, and there are eight coins in general circulation:

$$1\text{p}, 2\text{p}, 5\text{p}, 10\text{p}, 20\text{p}, 50\text{p}, £1\ (100\text{p}) \text{ and } £2\ (200\text{p}).$$

It is possible to make £2 in the following way:

$$1 \times £1 + 1 \times 50p + 2 \times 20p + 1 \times 5p + 1 \times 2p + 3 \times 1p$$

How many different ways can N p be made using any number of coins? As the result can be large print answer mod $(10^9 + 7)$

Input Format

The first line contains an integer T , i.e., number of test cases.
Next T lines will contain an integer N.

Note: N is given as p and not £

Constraints

$1 \leq T \leq 10^4$
$1 \leq N \leq 10^5$

Output Format

Print the values corresponding to each test case.

Sample Input

```
3
10
15
20
```

Sample Output

```
11
22
41
```