# **Sum of Fibonacci numbers**

Given the ith (1<=i<=35) Fibonacci number  $F_i$  calculate the sum of the ith till i+9th number  $F_i+F_{i+1}+...+F_{i+9}$  and the last digit of the i+246th one  $F_{i+246}$ .

Be careful: Your solution mustn't exceed 111 bytes. But rather half of it should be more than enough.

Score is source length.

## Input

In the first line the number of testcases N<=100, then N lines with one positive integer i.

## **Output**

One line with " $F_{i+}F_{i+1}+...+F_{i+9}+$ last digit of  $F_{i+246}$ " for each i.

## **Example**

#### Input:

2

1

35

#### **Output:**

146

1821381552