Sum It up

Time Limit – 1 seconds

Let ***S(n)*** be the number of expressions for ***n*** as a sum of positive odd integers. For example,

4 = 3 + 1

= 1 + 3

= 1 + 1 + 1+ 1

so S(4) = 3.

Input

Input starts with an integer **T (< 101)**, denoting the number of test cases. Each line contains a single non-negative integer **n**.

Output

For each case, print the case number and the value of **S(n)** module **1000000007**.

Sample Input	Sample Output
3 1 4 100	Case 1: 1 Case 2: 3 Case 3: 687995182