Recursive World!!!

See following the two recursive functions,

- C(0) = 0
- C(1) = 5
- C(K) = C(K-1) + 4
- F(0) = 1
- F(1) = 2
- F(N) = F(N-1) + C(N-1)

Now you are given **N**, you have to find the value of **F** (**N**).

Input:

Input starts with an integer ${\bf T}$, denoting the number of test cases. Each test case contains an integer ${\bf N}$

Constraints

T<=800000

0<=N<=1000000000

Output:

For each test case, print the value of **F (N)**. The value of **F (N)** fits in 64-bit signed integer.

Sample Input	Sample Output
2	16
3	46
5	

Problem Setter: Md Abdul Alim, Dept. of Computer Science, Bangladesh University of Business & Technology