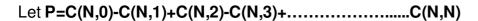
Compute The Computation



You are given **N**. You have to find the value of **P**.

Input:

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

Constraints:

0<=N<=1000000

1<=T<=1000000

Output:

For each test case, print the value of **P**.

Sample Input	Sample Output
1	0
4	

Note: use faster i/o method.

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