**Number of ways**

Given a tile of size 1 x 4, how many ways you can construct a grid of size N x 4.

**Input:**  
The first line of input contains an integer T denoting the number of test cases.The first line of each test case is N.

**Output:**  
Print number of possible ways.

**Constraints:**  
1 ≤ T ≤ 50  
1 ≤ N ≤ 80

**Example:**  
**Input:**  
3  
1  
4  
5  
**Output:**  
1  
2  
3

* SOLUTION

#include<bits/stdc++.h>

using namespace std;

#define int long long int

int dp[80];

int ans(int n)

{

if(n==0)

return 1;

if(n<0)

return 0;

if(dp[n]!=-1)

return dp[n];

return dp[n]=ans(n-1)+ans(n-4);

}

main()

{

int t;

cin>>t;

while(t--)

{

memset(dp,-1,sizeof(dp));

int n;

cin>>n;

cout<<ans(n)<<"\n";

}

}