

# Fibonacci starters

Fibo was a Famous Farmer. Who lived in the city of Fibonacia. One day while Farming For Fibonuts he saw a golden Fiboegg. He thought that now he will become a rich man with this golden Fiboegg. That night while he was sleeping a Fairy came in his dream and asked him did the Fiboegg came first or the golden Fibohen. So now come to the point:

Fibonacci series is a series in which every term is the sum of the previous two terms.

eg. 0 1 1 2 3 5 8 13 ....

Your task is to print the SUM of First N Fibonacci terms.

## Input

First line of input will contain number of testcases  $T$  ( $\leq 1000$ ), followed by  $T$  lines. Every line will contain a positive integer  $N$  ( $\leq 90$ ).

## Output

For every input print the sum of first  $N$  fibonacci numbers.

## Example

**Input:**

2  
5  
8

**Output:**

7  
33