Fibonacci Array

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Timelimit: 1

Write a program that reads a number and print the Fibonacci number corresponding to this read number. Remember that the first elements of the Fibonacci series are 0 and 1 and each next term is the sum of the two preceding it. All the Fibonacci numbers calculated in this program must fit in a unsigned 64 bits number.

Input

The first line of the input contains a single integer **T**, indicating the number of test cases. Each test case contains a single integer **N** ($0 \le N \le 60$), corresponding to the N-th term of the Fibonacci series.

Output

For each test case in the input, print the message "Fib(N) = X", where X is the N-th term of the Fibonacci series.

Input Sample	Output Sample
3 0 4 2	Fib(0) = 0 Fib(4) = 3 Fib(2) = 1