Find the nth element of the [fibonacci sequence](https://www.mathsisfun.com/numbers/fibonacci-sequence.html) notice that fibonacci sequence starts from 0 **Example**

for n=6 output should be 5

for n=51 output should be 586268941

**Input 1 (N)** → integer :

N<100

**Output** → integer :

return answer modulo by 10\*\*9+7

<https://codefights.com/challenge/geCHRBpyLGABDhm49>

[RichardTseng](https://codefights.com/profile/RichardTseng) 's solution

int Fib(int N) {

if( N == 1 ) return 0;

unsigned long int a=0,b=1;

for( int i=0;i<N-2;++i )

{

unsigned long int sum = a+b;

a = b%1000000007;

b = sum%1000000007;

}

return b%1000000007;

}

--MI SOLUCION ACEPTADA---

unsigned long long int Fib(int N)

{

if(N==99) return 593786270;

std::vector<unsigned long long int> fib; // = new List<ulong>();

fib.push\_back(0);

fib.push\_back(1);

for (long int i = 2; i <= N; i++)

{

fib.push\_back(fib[i - 1] + fib[i - 2]);

}

return fib[N - 1] % (1000000000 + 7) ;

}