**509. Fibonacci Number**

Easy

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The **Fibonacci numbers**, commonly denoted F(n) form a sequence, called the **Fibonacci sequence**, such that each number is the sum of the two preceding ones, starting from 0 and 1. That is,

F(0) = 0, F(1) = 1

F(n) = F(n - 1) + F(n - 2), for n > 1.

Given n, calculate F(n).

**Example 1:**

**Input:** n = 2

**Output:** 1

**Explanation:** F(2) = F(1) + F(0) = 1 + 0 = 1.

class Solution

{

public int fib(int n)

{

if(n<=1)

return n;

return fib(n-1)+fib(n-2);

}

}

