You are climbing a stair case. It takes *n* steps to reach to the top.

Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?

斐波那契数列

1,1,2,3,5,8……

非递归实现

public class Solution {

public int climbStairs(int n) {

if(n < 0)

return 0;

if(n == 1)

return 1;

int[] store = new int[n];

store[0] = 1;

store[1] = 2;

for(int i = 2; i < n; ++i)

store[i] = store[i-1] + store[i-2];

return store[n-1];

}

}