**Iterative Algorithm Fibonacci**

int fibonacci(int n)

{

int first = -1

int second = 1

int result = 0

for (int i = 0 to n)

{

**result = first + second**

first = second

second = result

}

return result

}

**Recursive Algorithm Fibonacci**

int fibonacci(int n)

{

if (n = 0 or 1)

return n

else

return **fibonacci(n-1)** + **fibonacci(n-2)**

}