1. Write an algorithm for calculating factorial of number and implement the code in C++.
2. Write an algorithm for tower of Hanoi code in C++.
3. Fibonacci Series

Iterative Algorithm:

Procedure Fibonacci(n)

declare f0, f1, fib, loop

set f0 to 0

set f1 to 1

<b>display f0, f1</b>

for loop ← 1 to n

fib ← f0 + f1

f0 ← f1

f1 ← fib

<b>display fib</b>

end for

Recursive Algorithm:

START

Procedure Fibonacci(n)

declare f0, f1, fib, loop

set f0 to 0

set f1 to 1

display f0, f1

for loop ← 1 to n

fib ← f0 + f1

f0 ← f1

f1 ← fib

display fib

end for

END