* Fibonacci using recursion *

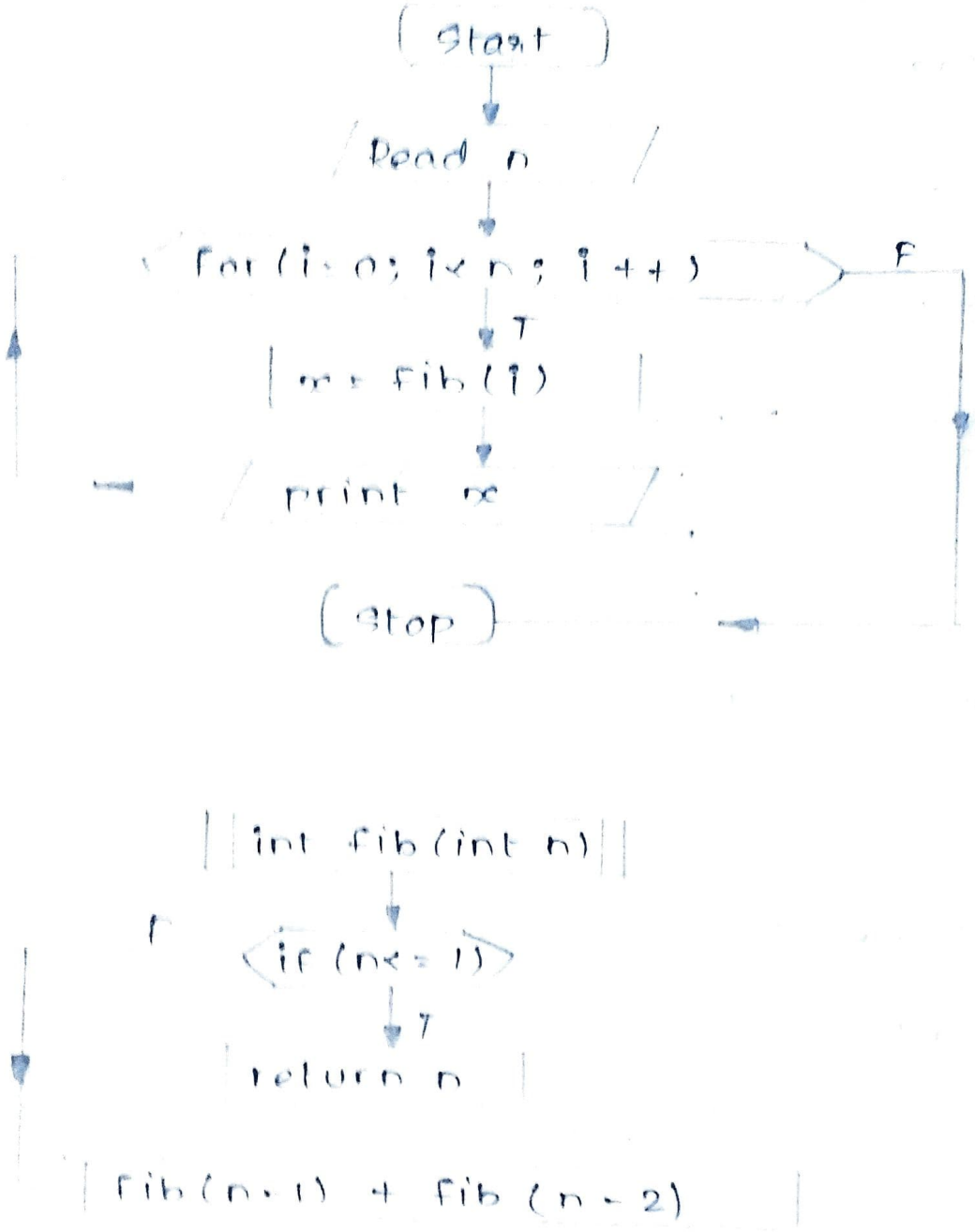
• Algorithm Main •

Step1	Start
Step2	Read n
Step3	Repeat for i = 0 to n-1 call function fib(i) x = fib(i) print x.
Step4	Stop

• Algorithm fib( )

Step1	if n <= 1 return n
Step2	else return (fib(n-1) + fib(n-2))
Step3	Stop

* Flowchart *


Start
Read n
for(i=0; i<n; i++)
F
T
x = fib(i)
print x
Stop
int fib(int n)
if(n<=1)
T
return n
fib(n-1) + fib(n-2)