$$f[0] = 0 \qquad f[i] = 1$$

$$for (int i = 2 \longrightarrow N)$$

$$f[i] = f(i-1) + f(i-2)$$

$$f(n) = f(n-1) + f(n-2)$$

$$f(n)$$

Slast = f(1-2)

return lost + slast

prat(f(a))

Slost = f(i)

return lust +

(at = f(1)

slust = flo)

return lust t

return

khuni

lux= 7(1) / 1

f(2)

return last & slast

 $\frac{1}{\sqrt{1+(4)}} = 3$ return (ast 4 slast $\frac{1}{\sqrt{1+(4)}} = 3$

f()

f()

one is ender, next concu.

f()

f()

f()

f()

one is ender, next concu.

```
#include <bits/stdc++.h>
using namespace std;
int fibo(int n){
   if ( n <= 1)
        return n;
   int last = fibo(n - 1);|
   int secondLast = fibo(n - 2);
   return last + secondLast;
}
int main(){
   cout << fibo(4) << endl;
   return 0;
}</pre>

inished in 3.9s]
```

To(>> 8(2") Exponential in nature

