

e:

Sub:

$$f(x) = \begin{cases} n & n < 1 \\ f(n-1) + f(n-2) & n > 1 \end{cases}$$

```
int fib(int n) {  
    if (n <= 1) {  
        return n;  
    }  
    return fib(n-1) + fib(n-2);  
}
```