Solution 1. This algroithem work

```
1: function FIB(n):
2:     # input: int n > 0
3:     # output: fibonacci(n)
4:     if n > 1 then
5:         return 1
6:     else
7:         return FIB(n − 1) + FIB(n − 2)
```

The correctness is obvious and the complexity analysis is elusive.