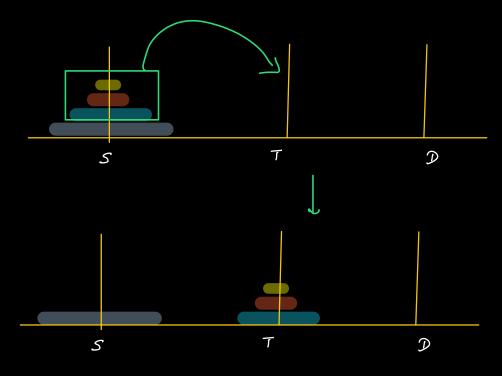


$$f(N) = f(N-1) + f(N-2)$$

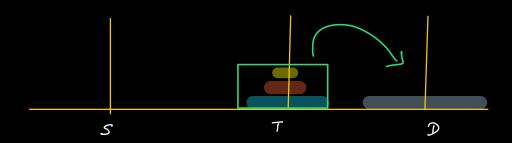
$$f(x)$$

$$= x^{2n} f_{ibl}$$

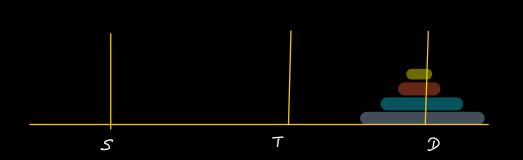
$$x^{n} - x^{n} = x^{n} - x^{n} - x^{n} = x^{n} - x^{n} - x^{n} = x$$



more (H-1) plate from $S \rightarrow T$



 $S \rightarrow D$



mone (H-1) plate
from T -> D

Void TOH (M,
$$\frac{A}{5}$$
, $\frac{C}{D}$, $\frac{B}{T}$) {

if (M==0) Netwon,

TOH (M1, $\frac{A}{5}$, $\frac{B}{D}$, $\frac{C}{T}$);

SOP (A + " bo " + C); (2M-1)

TOH (M1, $\frac{B}{5}$, $\frac{C}{D}$, $\frac{A}{T}$);

TC: O(2M)

SC; O (M)

TOH (M)

TOH (M)

TOH (M-2)

```
Q Gray Code
                                        0007
            1,000
                                       010/5
                         700/010
                                       01191
            0 T T 7 T
            QTQ
                                       100)3
            T T O 5 T
                                       10121
                                       11053
            7 7 7 7
                                      11157
            T 0 1 ) 1
            100)1
   Generate gray code se of M dégils.
      N:2 < "00".
                                      M: 3 <000°,
                "D 1"
                                            <u>"100"</u>
                <u>" _ _ _ _"</u>
                                            " O L L",
                , T D, >
                                            "OT Q,
                                            " T T Q"
                                            1 1 1
                                            "L 0 1"
N: 1
                                            "I OO" >
                00
               07
               11
               ID
```