Fibonicci Series

$$fib(n) = \frac{fib(n-1)}{lost} + \frac{fib(n-2)}{second lost}$$

## PMI - Extended Form

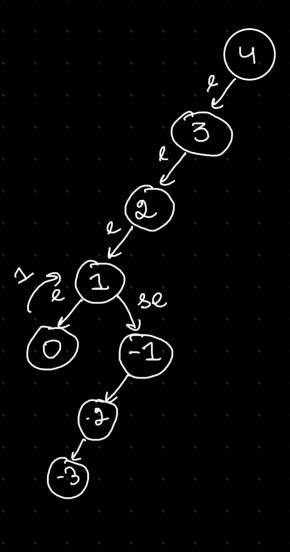
1. Proof for base case FLO) F(1)

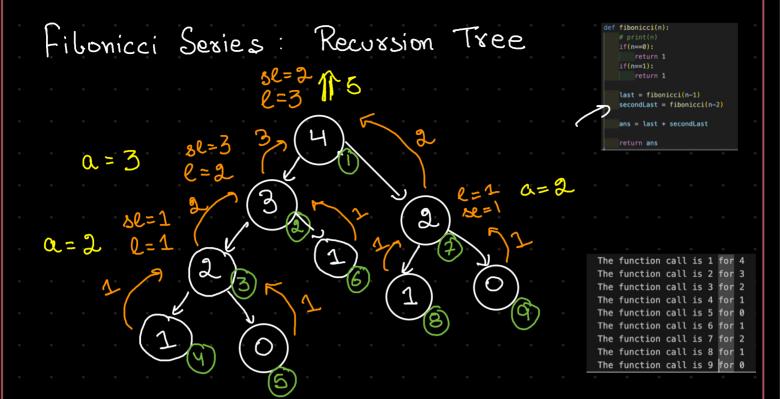
2. Assume for F(i) equal to true where your i can be from  $0 \le i \le R$  F(R)

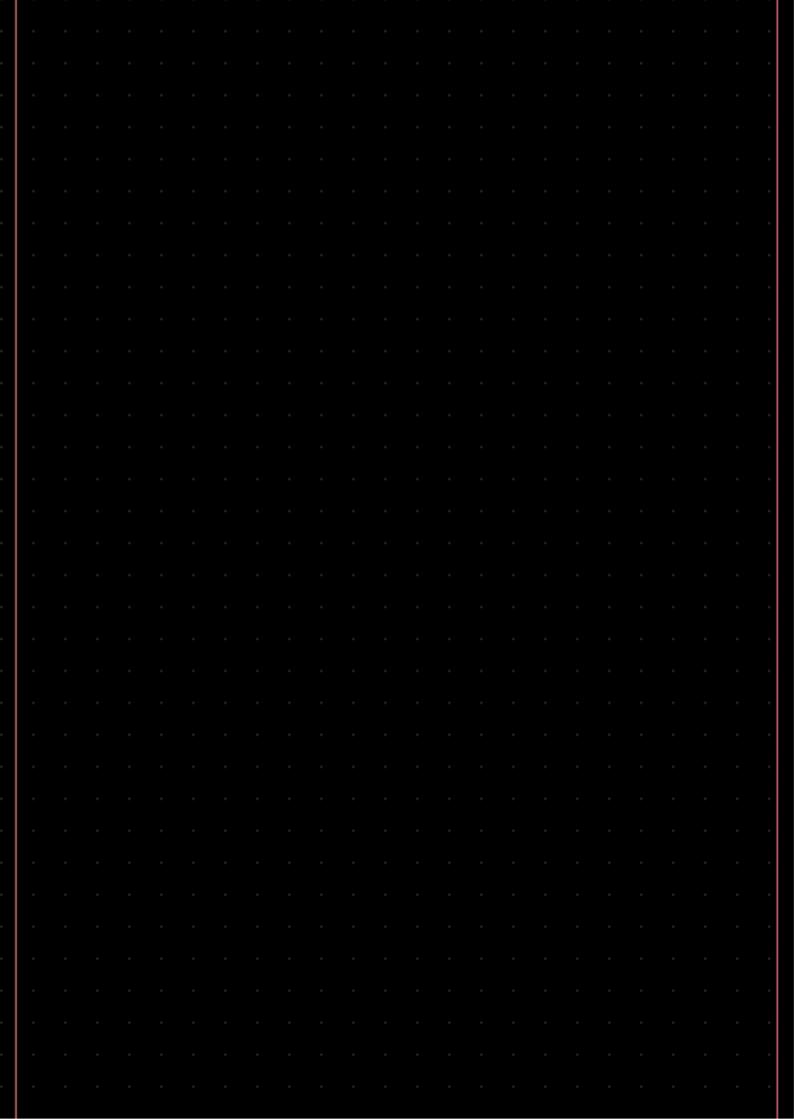
so that means we can assume for F(R) true f(R-1) true f(R-1) true for less than f(R-1)

 $F(3) \sim F(2) \sim R=1$   $F(0) \sim R=0$ 

lost F(n-1) to be true second last F(n-2) to be true



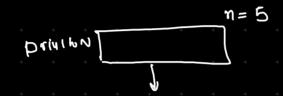






1. Print 1 to N. 2. Print N to 1

Print 1 to N:





Print N to 1



- 1. Bose Case
- 2. Recursive call
- 3. OUR WORR

Head

Tail

Assignment

1. Sum of Orgit of a number

2. Power of a number (bose, exp)

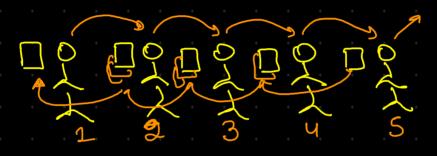
Head

Tail

we make recursive call at the beginning of our for implementation.

When we make recursive Call at the end of our implementation

head



tail