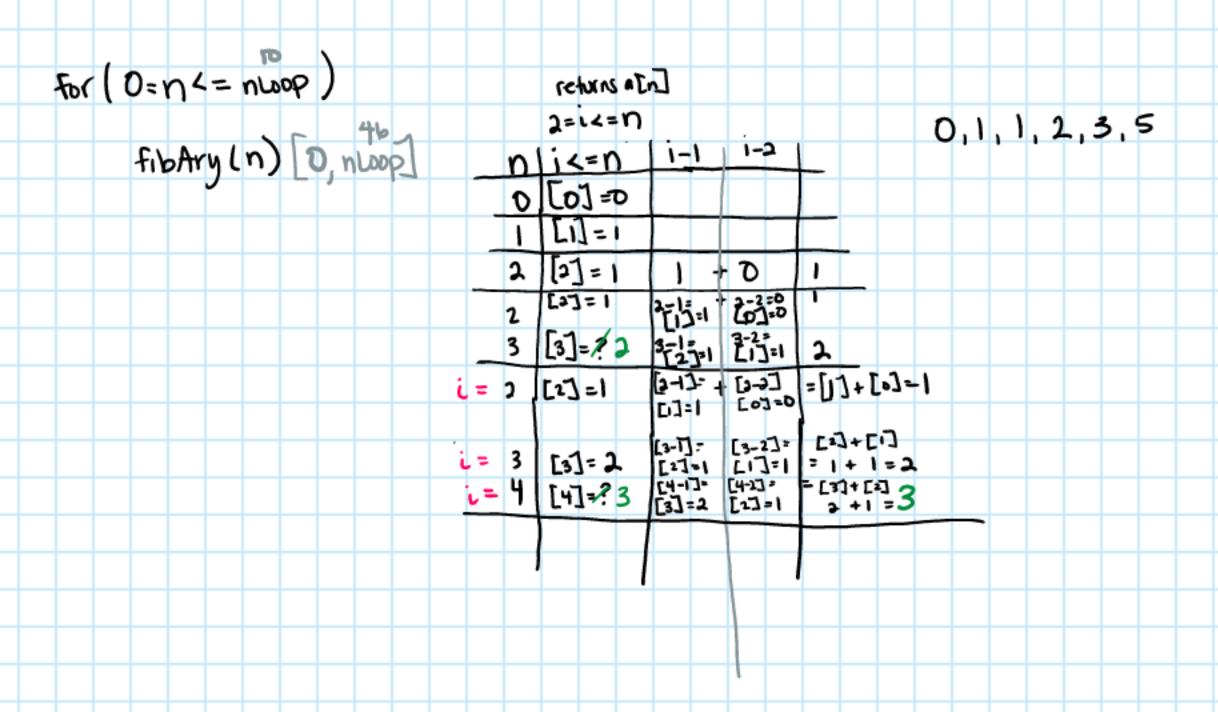
Monday, October 30, 2023 11:48 PM



Fib seq.

S=
$$\{0, 1, 1, 2, 3, 5, 8\}$$

T(n)

T(n)

S= $\{0, 1, 1, 2, 3, 5, 8\}$

T(n)

T(1) = 1+0 = 1

Constant

Constant

T(1) = 1+0 = 1

T(1) = 1+0 = 1

T(1) = 1+0 = 1

T(2) = 1+1 = 2

T(3) = 2+1 = 3

T(3) = 3+1 = 3

T(5) = 3+2 = 5

T(8) = 5+3 = 8

T(n) = (n-1)+(n-2)

T(n) = (n-1)+(n-2), n \(2 \)

$$\sum_{k=0}^{n} (\alpha r^{k}) = \alpha \left(\frac{1-r^{n}}{1-r} \right)$$

1.
$$\angle x^{k} = ar + ar^{2} + ar^{3} + ... + ar^{n}$$

 $x = 1$
 $x =$

3.
$$rS = \sum_{k=0}^{\infty} = \alpha r = \alpha r + \alpha r + \alpha r + \alpha r + \alpha r$$

$$S = \alpha \left(\frac{n-1}{n-2} \right) = \frac{3}{3} = 1.5$$

$$= \frac{5}{3} = 1.4$$