

GOOD EVENING EVERYONE

We will start @ 9:10 pm

Q-1

3 min

row = 5

col = 5

$\begin{matrix} * & x & x & x & * \\ x & x & x & x & x \\ x & x & x & x & x \\ x & x & x & x & x \\ x & x & x & x & x \end{matrix}$

Q-2

$\begin{matrix} x & \rightarrow & 1 \\ x & x & \rightarrow & 2 \\ x & x & x & \rightarrow & 3 \\ x & x & x & x & \rightarrow & 4 \\ x & x & x & x & x & \rightarrow & 5 \end{matrix}$

Q-3

$\begin{matrix} & & x \\ & x & x \\ & x & x & x \\ x & x & x & x & x \end{matrix}$

ch = 'A' + 1 \rightarrow B + 1 = C + 1 = D + 1 = E

Q-4

row

$\begin{matrix} x & x & x & x & x \\ x & & & & x \\ x & & & & x \\ x & & & & x \\ x & x & x & x & x \end{matrix}$

Q-5

A

$\begin{matrix} A & A \\ A & A & A \\ A & A & A & A \\ A & A & A & A & A \end{matrix}$

Q-6

A \Rightarrow

$\begin{matrix} \rightarrow B & B & \text{---} \\ \rightarrow C & C & C & \text{---} \\ \rightarrow D & D & D & D & \text{---} \\ \rightarrow E & E & E & E & E & \text{---} \end{matrix}$

Q-7

$\begin{matrix} & & & & A \\ & & & B & B \\ & & C & C & C \\ & D & D & D & D \\ E & E & E & E & E \end{matrix}$

Q-8

$\begin{matrix} & & * \\ x & x & x \\ x & x & x & x \\ x & x & x \\ x \end{matrix}$

Q-9

0

$\begin{matrix} 1 & 1 \\ 2 & 3 & 5 \\ 8 & 13 & 21 \end{matrix}$

Q-10

$\begin{matrix} 1 & 2 & 3 & 4 & \rightarrow & 1 \\ 2 & 4 & 6 & 8 & \rightarrow & 2 \\ 3 & 6 & 9 & 12 & \rightarrow & 3 \\ 4 & 8 & 12 & 16 & \rightarrow & 4 \end{matrix}$

Q-11

$\begin{matrix} x & x & x & x & x \\ x & x & x & x \\ x & x & x \\ x & x \\ x \end{matrix}$

fibonacci series

$f(n) = f(n-1) + f(n-2)$ where $n \geq 2$

$f(2) = f(1) + f(0)$ $f(0) = 0$, $f(1) = 1$

$1 + 0 = 1$

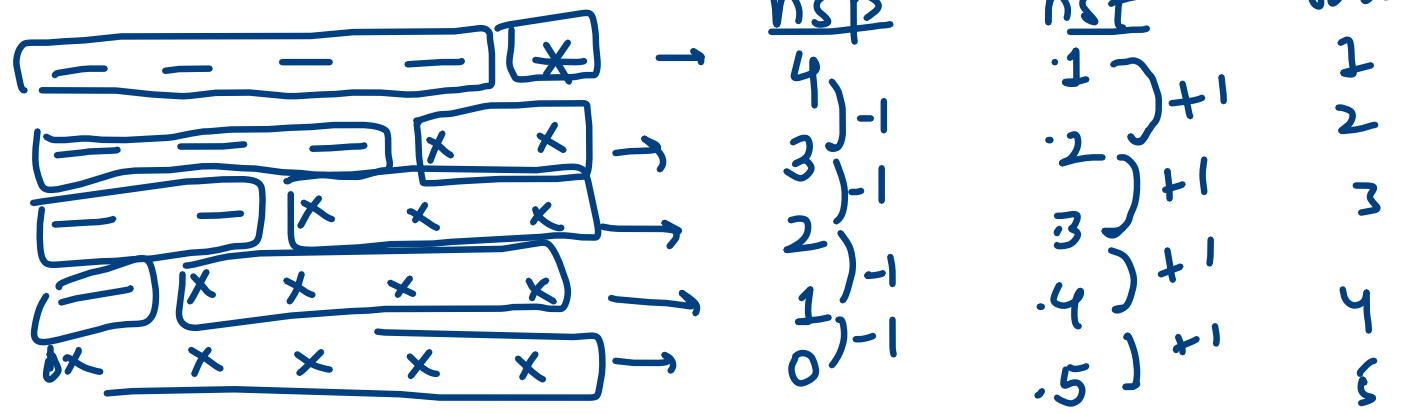
$f(3) = f(2) + f(1)$

$1 + 1 = 2$

a = 0 b = 1

$\begin{matrix} a = 0 \\ b = 1 \\ c = a + b \end{matrix}$

$\begin{matrix} 0 & 1 & 1 & 2 & 3 & 5 & 8 \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ a & b & c & & & & \end{matrix}$



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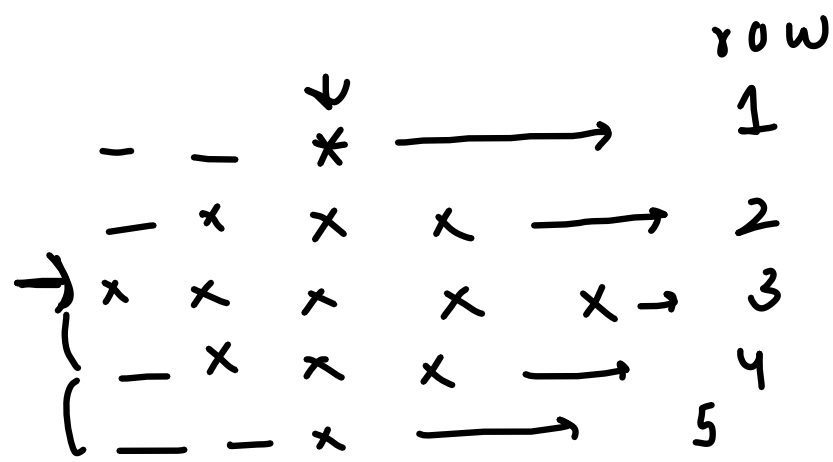
for ( _____ )
{
    nsp
    nst

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$$x_0 \omega = 5$$
$$(i = 2, 3, 4 \rightarrow 22 \quad j = 1 \quad || \quad j = 3)$$

if ($i \leq n/2$)
 nst = 2
 nsp = 1

else
 nst = 2
 nsp = 1



nst	nsp
1) +2	2) -1
3) +2	1) -1
5) +2	0) +1
3) -2	1) +1
1) -2	2) +1

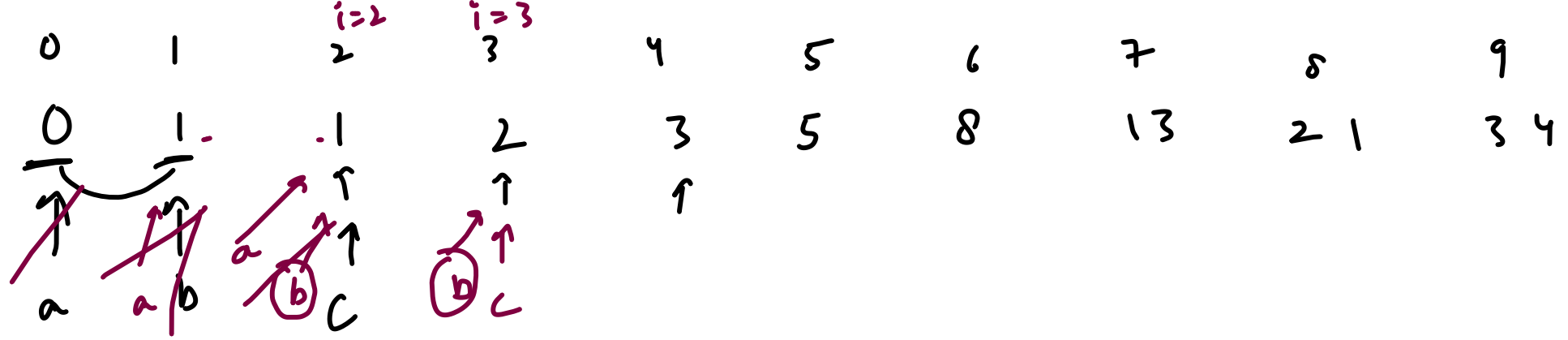
$$n = 5$$

$$n/2 = 5/2 = 2.5 \quad \leftarrow$$

\approx 2

x	x	x	x	x
x	✓	x	✓	
x	✓	x		
x	x			
✓				

nst
 1
 5
 4
 3
 2
 1



$$f(n) = f(n-1) + f(n-2);$$

$$n \geq 2;$$

$$f(0) = 0, \quad f(1) = 1$$

$$c = a + b$$