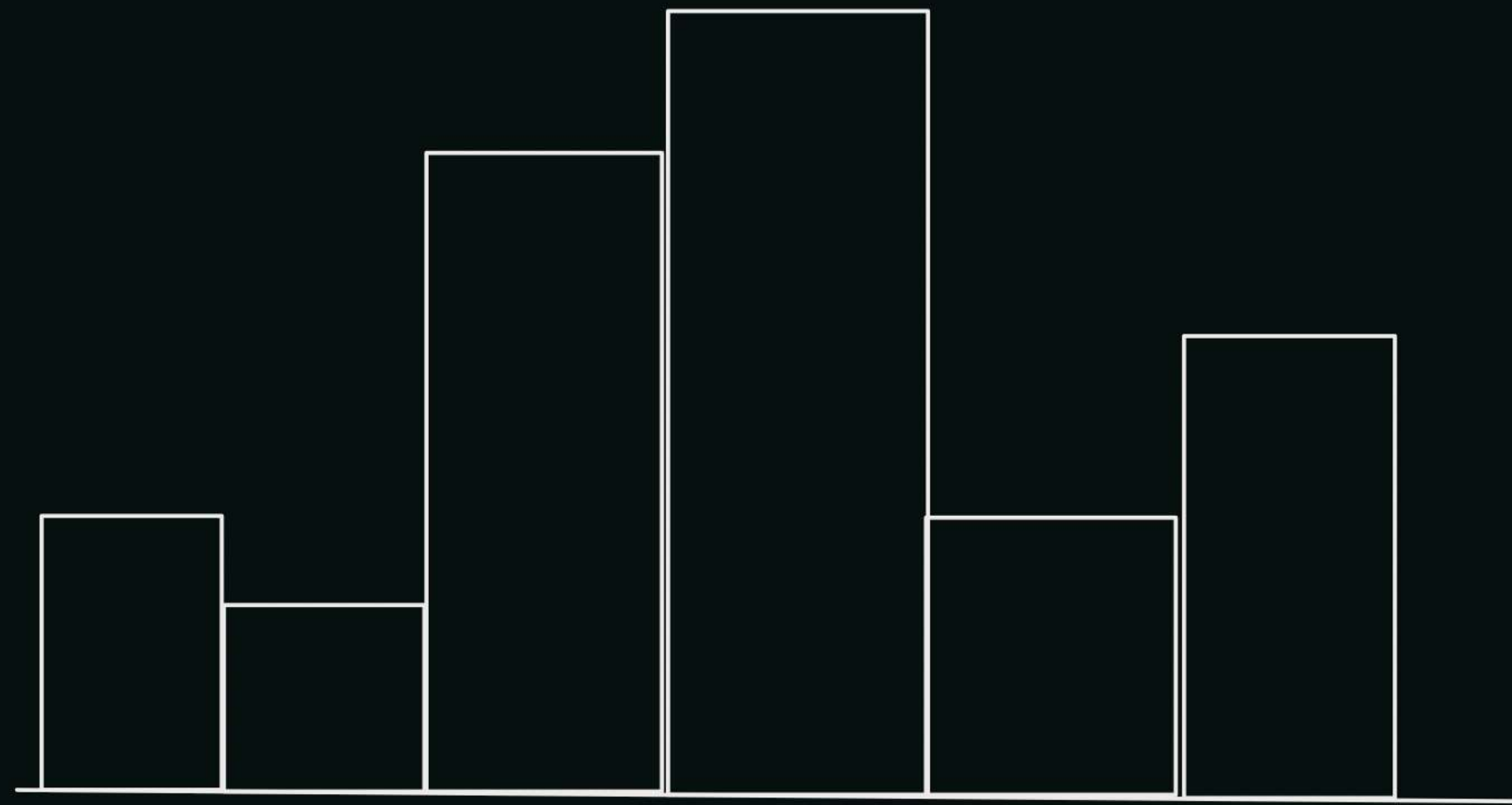


Largest Area Histogram 2

Saturday, 4 December 2021

10:31 AM



ht →

2	1	5	6	2	3
0	1	2	3	4	5

next
smaller
in Right

→

1	*6	4	4	*6	*6
---	----	---	---	----	----

next
smaller in
left
width
area

→

*1	*1	1	2	1	4
----	----	---	---	---	---

h s.r - ns l - 1

1	6	2	1	4	1
2	6	10	6	8	3

Maximal Rectangle

Saturday, 4 December 2021

11:18 AM

1	0	1	0	0
1	0	1	1	1
1	1	1	1	1
1	0	0	1	0

ht - array

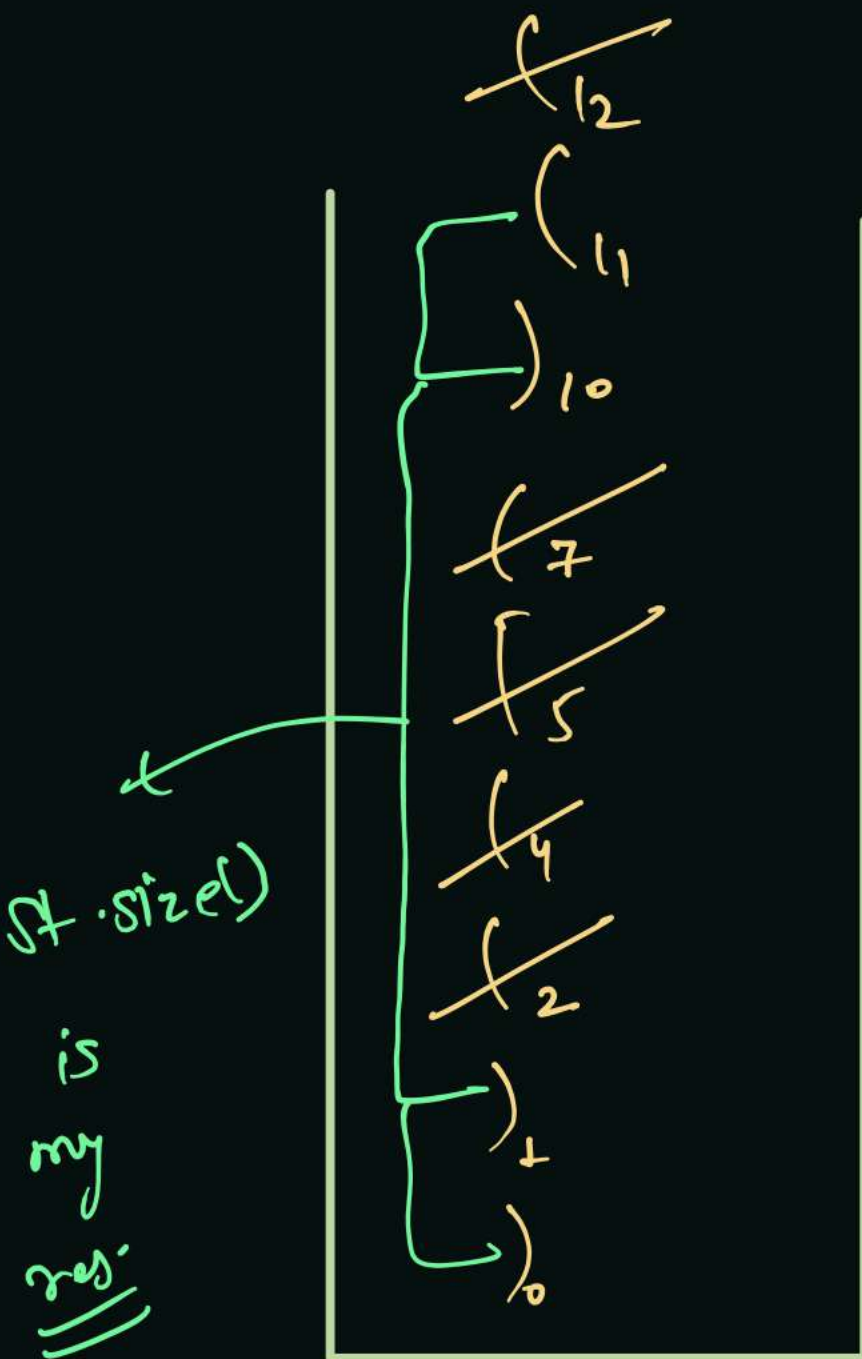
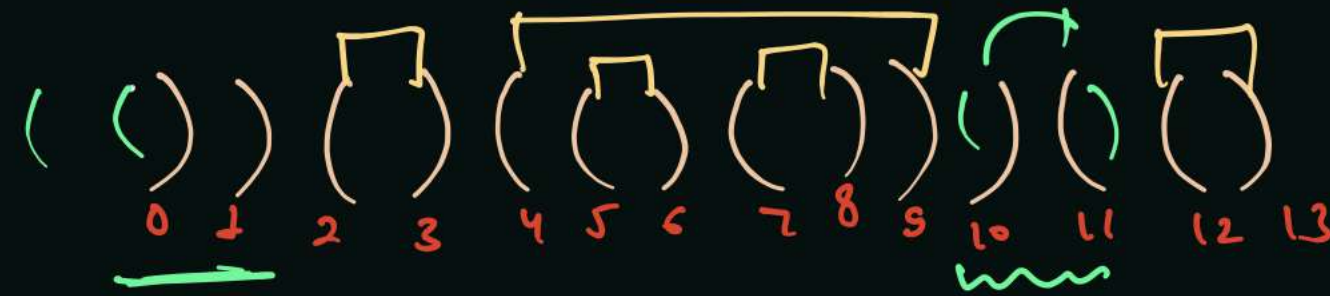
→ 1 0 1 0 0
→ 2 0 2 1 1
→ 3 1 3 2 2
→ 4 0 0 3 0

largest area histogram = 1
" " = 3
" " = 6
" " = 4

↖ Maximal Rectangle ⇒ C = Result

Min. number of addition to make a valid parenthesis

Saturday, 4 December 2021 12:05 PM

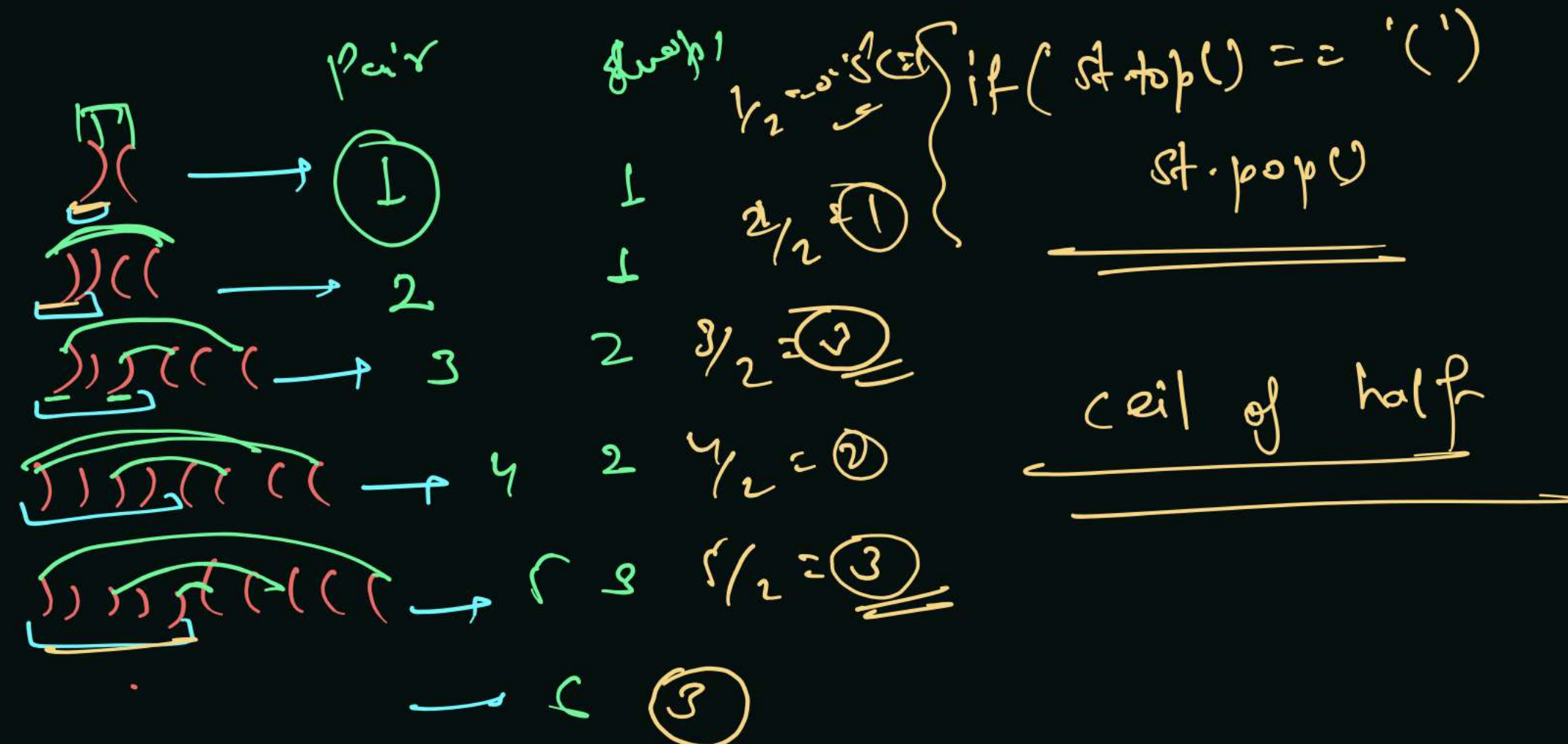


opening bracket

push in stack

Closing bracket

stack.size() == 0
push,
stack.top() != '('



Closing = 2

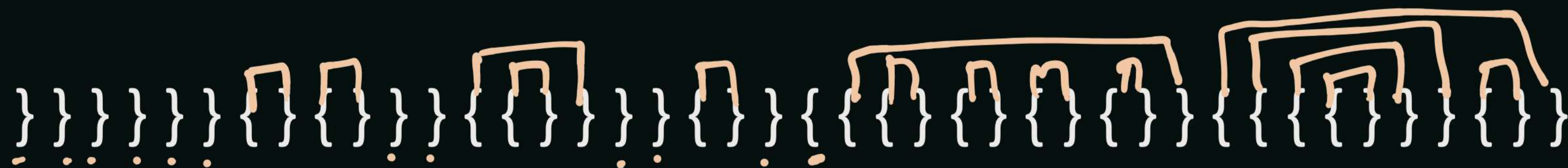
$$\text{op}/2 + \text{clong}/2 = 1 + 1 = \textcircled{2} \quad \Rightarrow$$

$$0/2 + 4/2 = \textcircled{2} \quad x$$

$$\left[\frac{5}{2} \right]_{\text{cell}} + \left[\frac{1}{2} \right]_{\text{cell}} = 3 + 1 = 4$$

$$\left(\frac{3}{2}\right)_{\text{cell}} + \left(\frac{7}{2}\right)_{\text{cell}} = 2 + 4 = \textcircled{6}$$

$$c_L \neq 2_L = 3f1 = \textcircled{4}$$



$\rangle \rangle \rangle \rangle$
 $\text{cl} - 11$

$$11/2 = 5$$

$$1/2 = 1$$