

unordered-map & unordered-set

Maps & Sets

Part - 2

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ordered vs unordered

```
ordered Ret
S.insert (4);
                     Set Lint>S',
S. insert (2),
                     mab < a, b > m;
S-insert(3);
```

12568



(3,10) (2,20) (1,30)

100 to 99

Medium

$$\{2,1,3,0\}$$

$$21321132123$$



$$S = \{ \frac{1}{2}, \frac{1}{3}, \frac{3}{5} \}$$

$$i = 100$$

$$i = 101$$
 $i = 102$
 $x = i = 101$
 $x = 102$
 $a = 2$



M

Ques: Count Nice Pairs in an Array [Leetcode - 1814]

$$(0,3)$$
 \rightarrow $(0,3)$ \rightarrow $(0,3$

$$(1,2) = 11+1=12$$

Ques: Count Nice Pairs in an Array [Leetcode - 1814]

$$\{42,11,1,973\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,18\}$$

$$\{18,0,0,0,18\}$$

mumd =
$$\{2, 13, 10, 35, 24, 76\}$$

(3) $\{-18, 9, -18, -19, 9\}$

(4) $\{-18, 2\}$

(2) $\{-18, 2\}$

(2) $\{-18, 2\}$

(3) $\{-18, 2\}$

(4) $\{-18, 2\}$

(5) $\{-18, 2\}$

(6) $\{-18, 2\}$

(6) $\{-18, 2\}$

(7) $\{-18, 2\}$

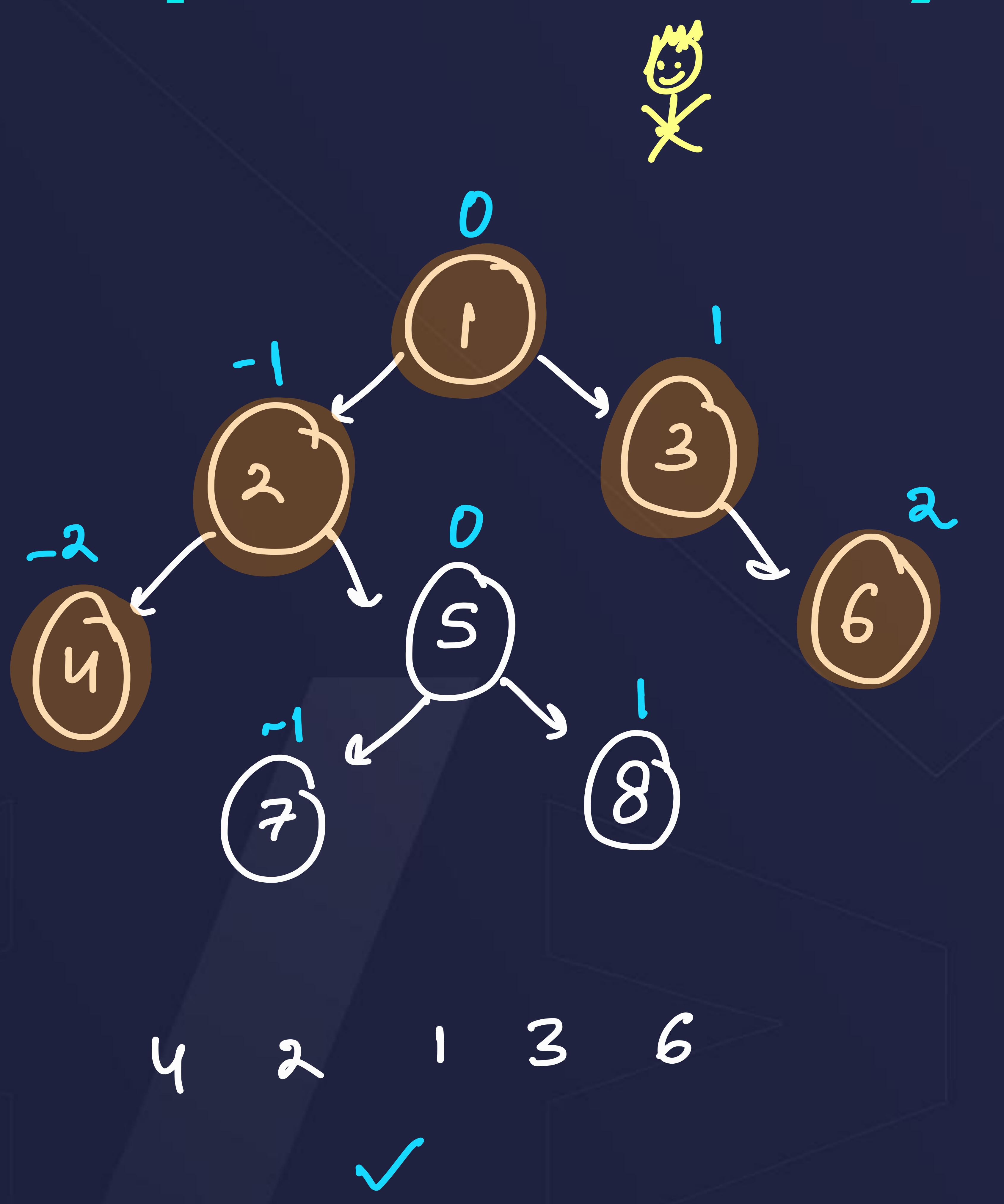
(8) $\{-18, 2\}$

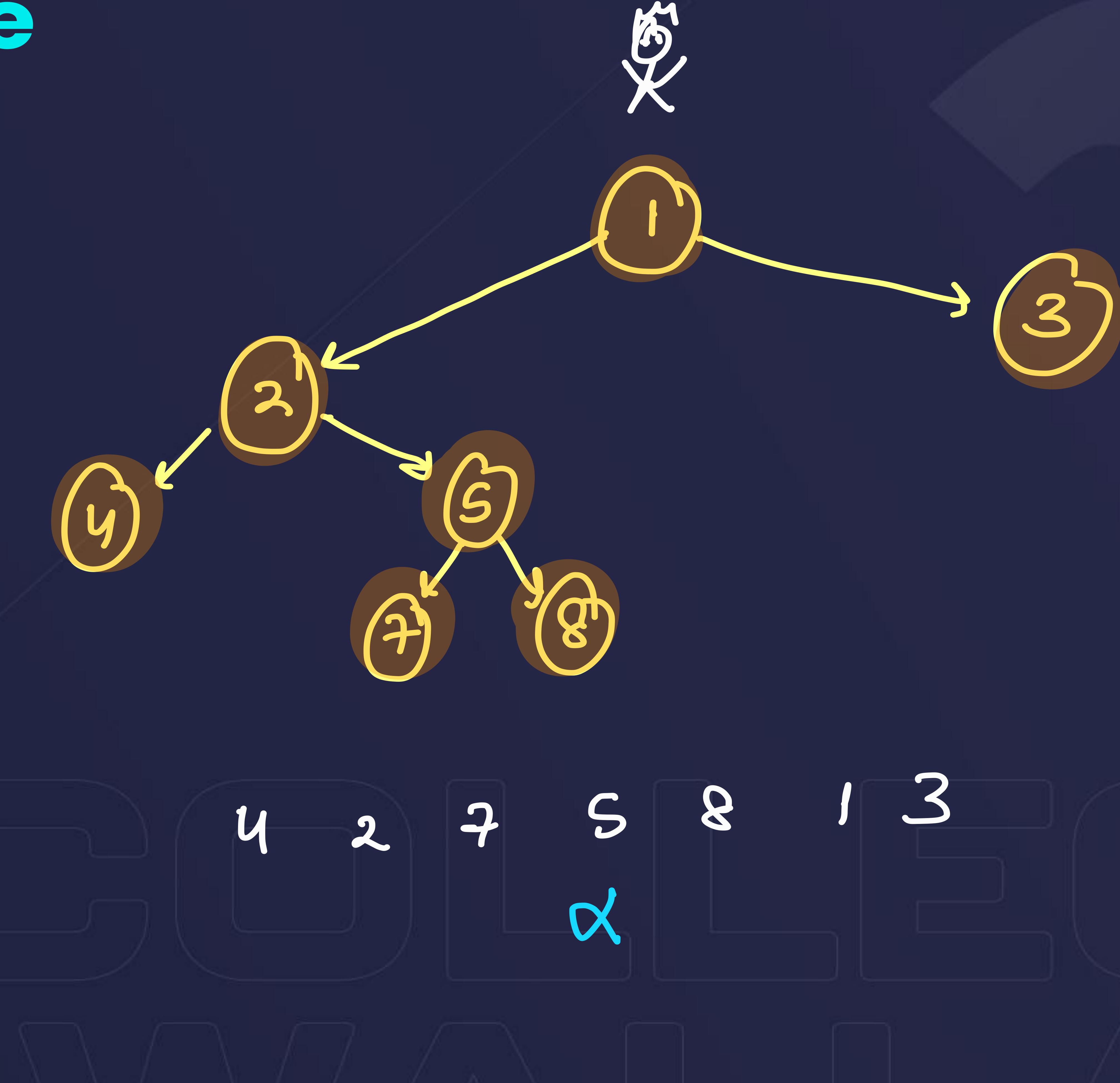
(9) $\{-18, 2\}$

(9) $\{-18, 2\}$



Top view of binary tree





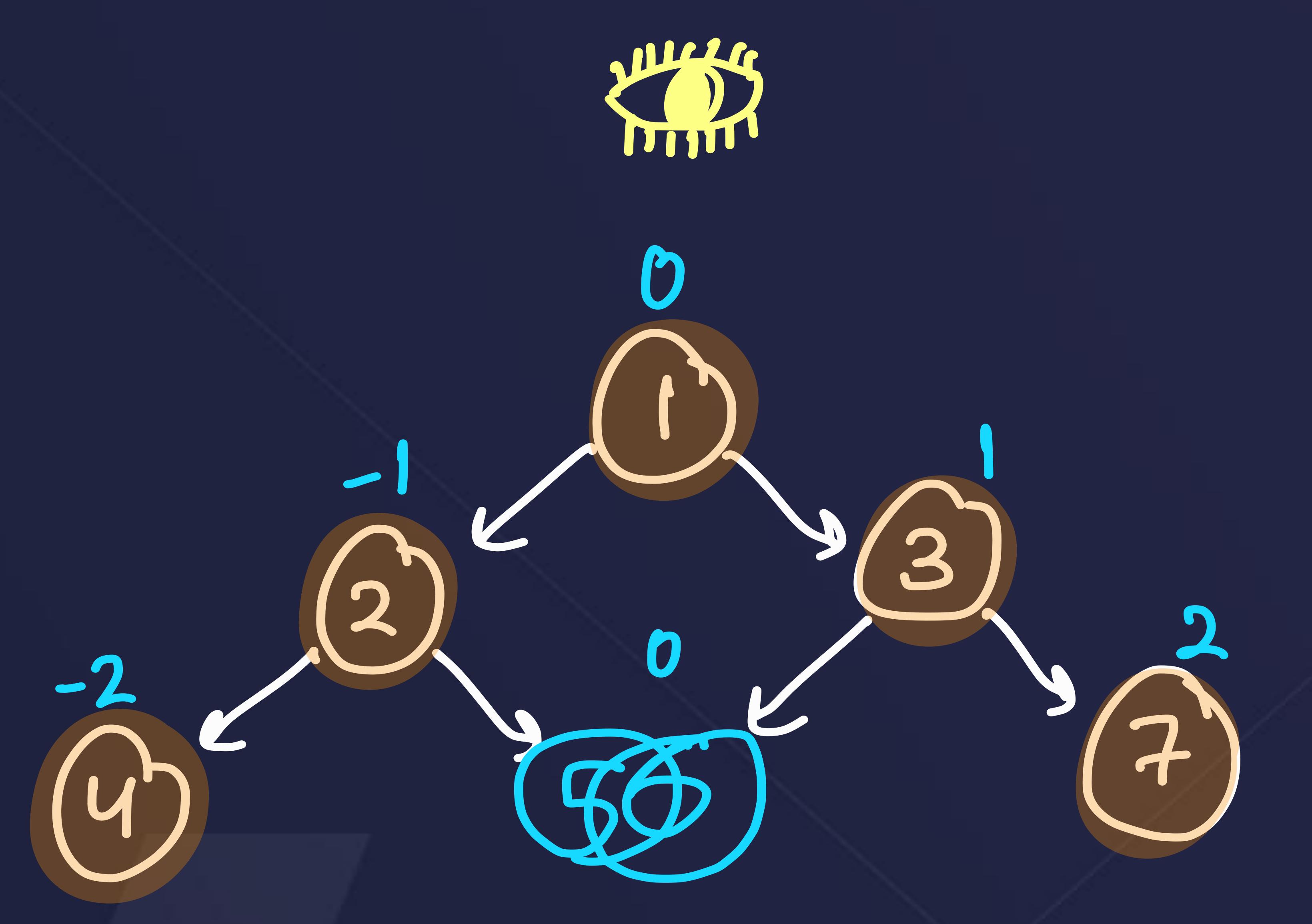


Top view of binary tree



Hints: 1) Hashmab

2) Level Order Fraversal





Top view of binary tree







Ques: Copy List with Random Pointer [Leetcode - 138]

- 1) Create deep copy without random Connections 7
- 2) Alternate linking
 - 3) Mark vandom brinters
- 4) Remove alternate connections

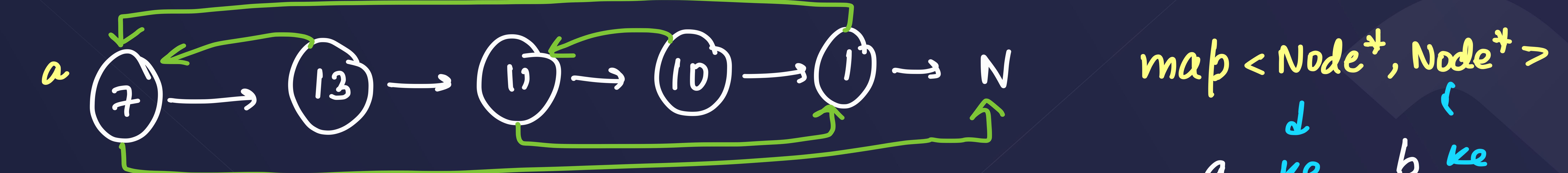
$$S \cdot C \cdot = O(1)$$

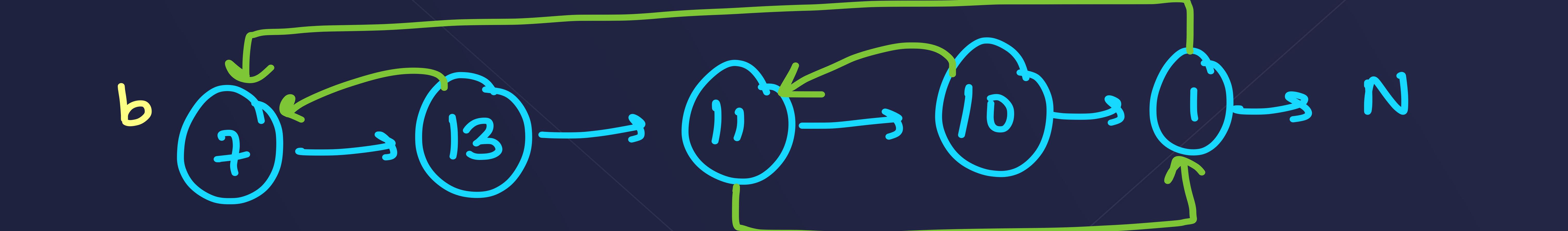
 $T \cdot C \cdot = O(n)$

Method-2:
$$T \cdot C \cdot = O(n)$$

$$S \cdot C \cdot = G(n)$$









THANKYOU!

S(D)LLE(B)E W/A\LLAH