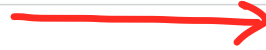


Bootstrap



Sementic
UI



Own

$$\underline{\underline{h(k) = k \% 10}}$$

(Linear probing)

0	
1	
2	42
3	23
4	34
5	52
6	46
7	33
8	
9	

x

42, 23, 34,



- ① 10
- ⑤ 20
- ③ 30
- ② 40

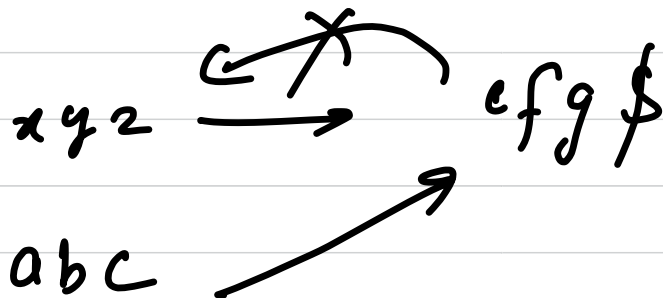
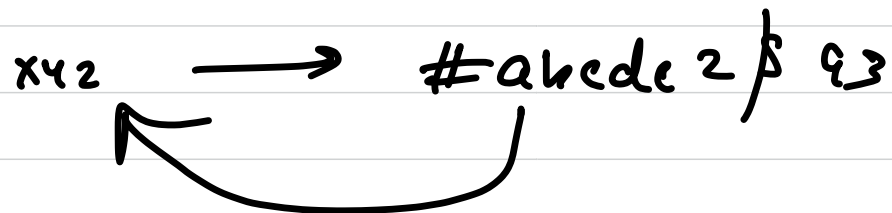


42 23 34 46

4! → 29

42 23 34 → 3! → 6

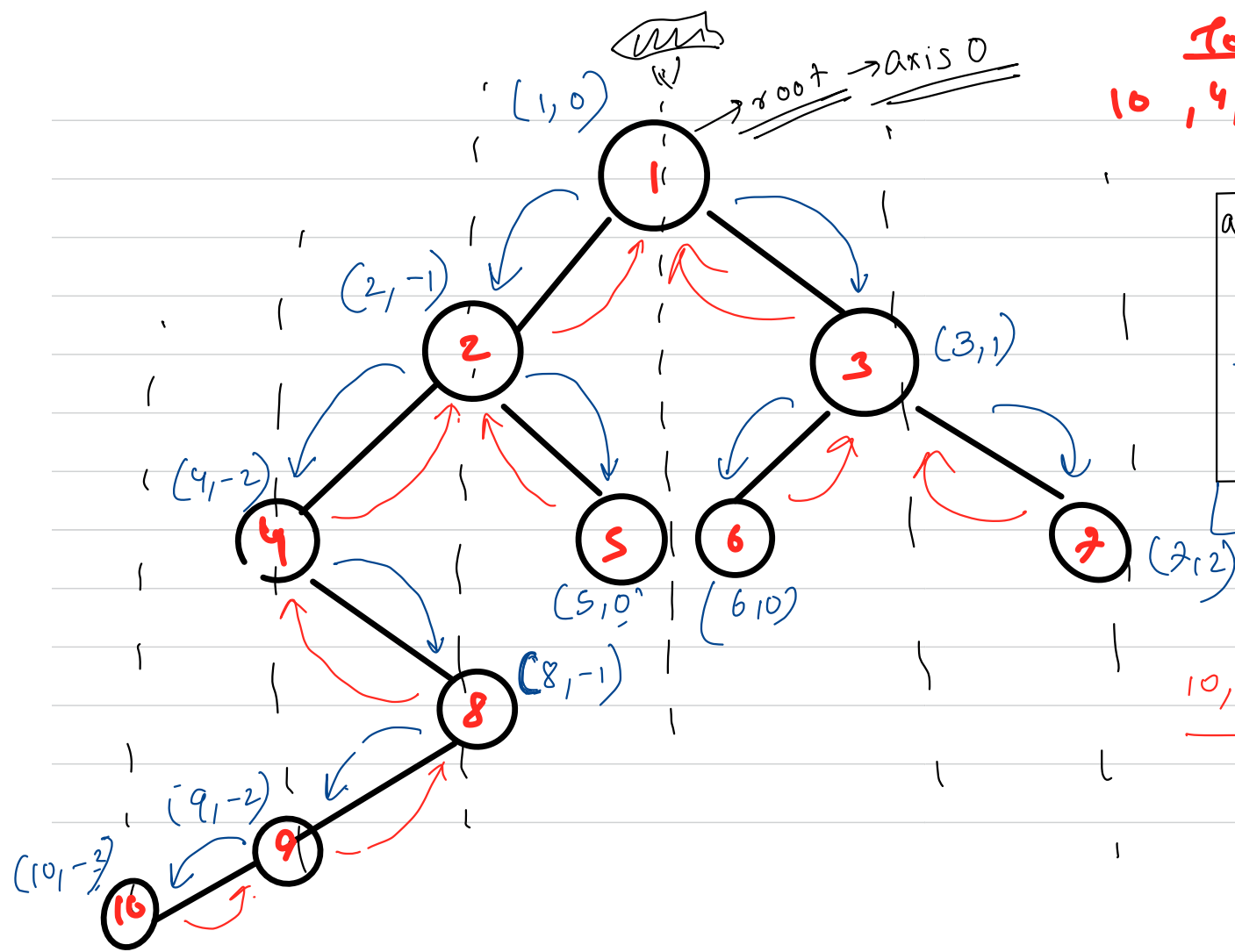
energy $p \rightarrow$



Total View
10, 4, 2, 1, 3, 7

axis	node
0	1
-1	2
-2	4
-3	10
1	3
2	7

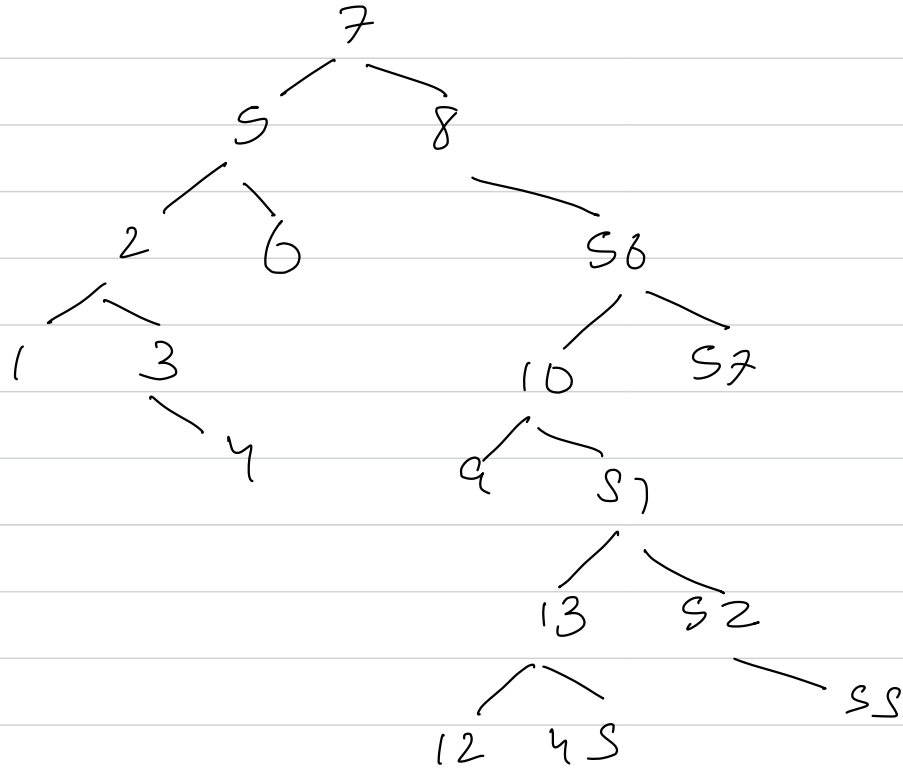
10, 4, 2, 1, 3, 7
→

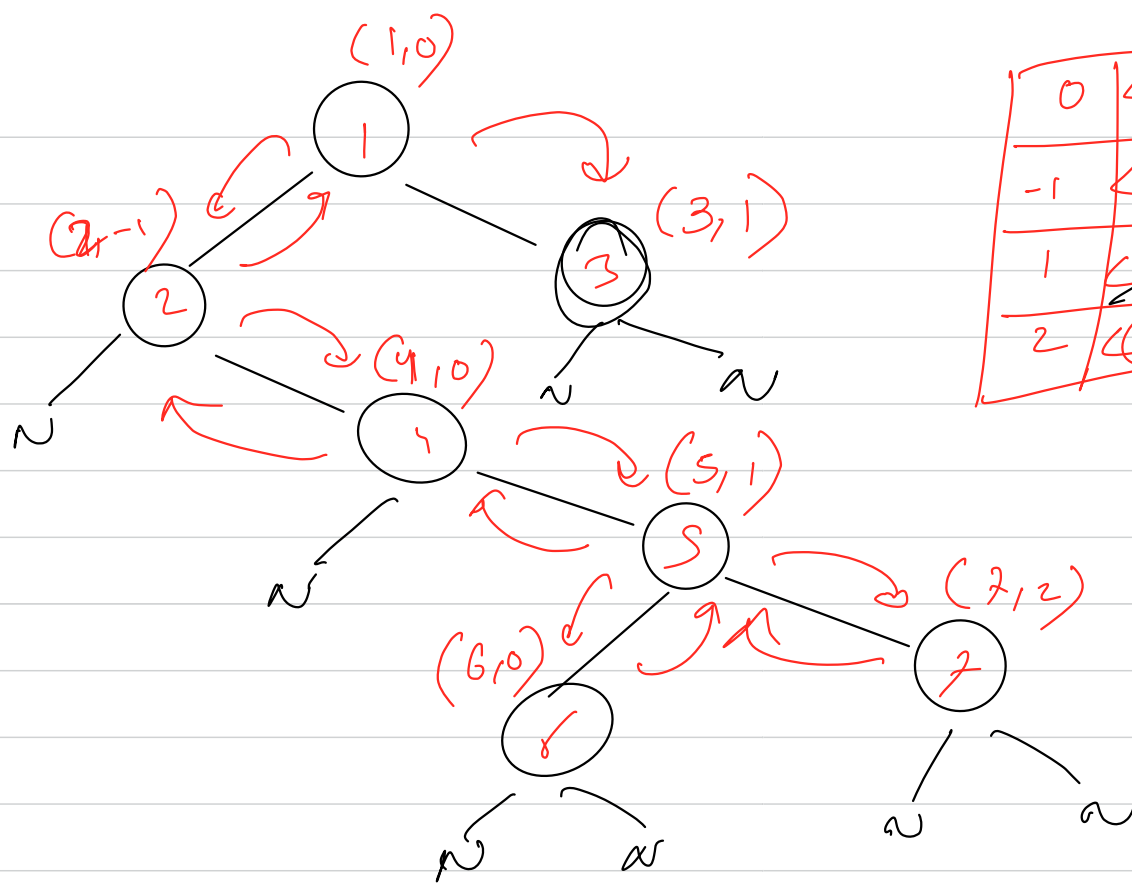


$$\begin{aligned} \text{pre}(\text{root}, \text{axis}) &= \text{pre}(\text{root}.\text{left}, \text{axis}-1) \\ &\quad \text{pre}(\text{root}.\text{right}, \text{axis}+1) \end{aligned}$$

ans \rightarrow pre(root, 0)

at any point of time, when you visit a new axis that has not been visited till now, store it in the map along with the node.





0	< ①, 0 >
-1	< ②, 1 >
1	< ⑤, 3 >
2	< ⑦, 4 >

③, 1