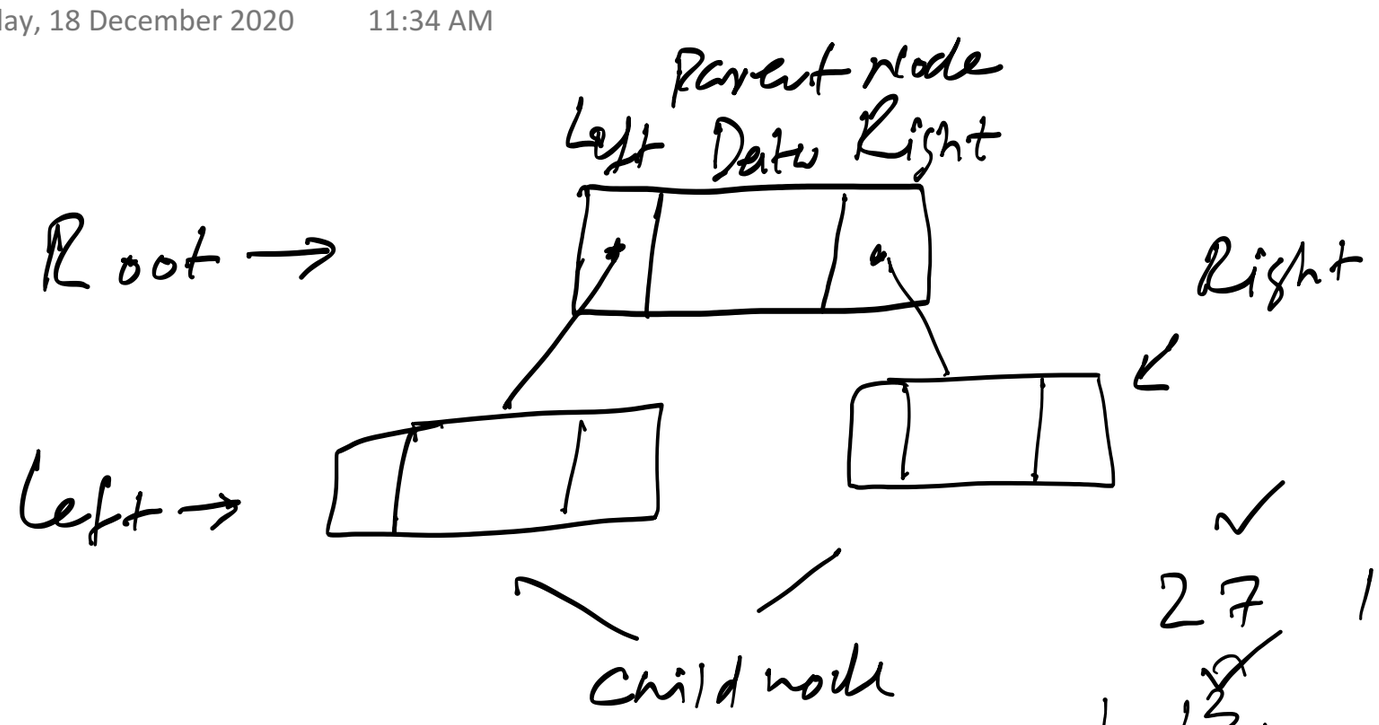
Binary Tree

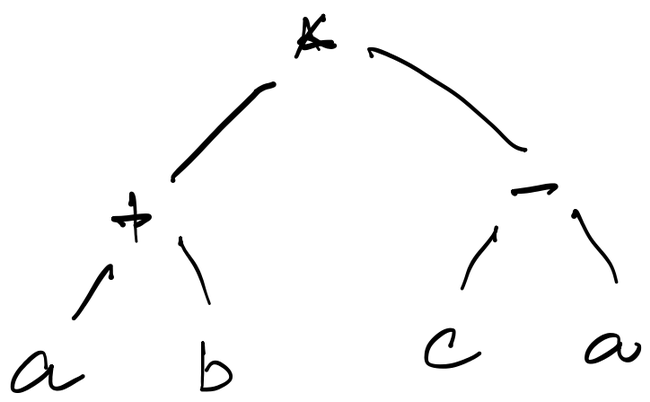
Friday, 18 December 2020 11:34 AM

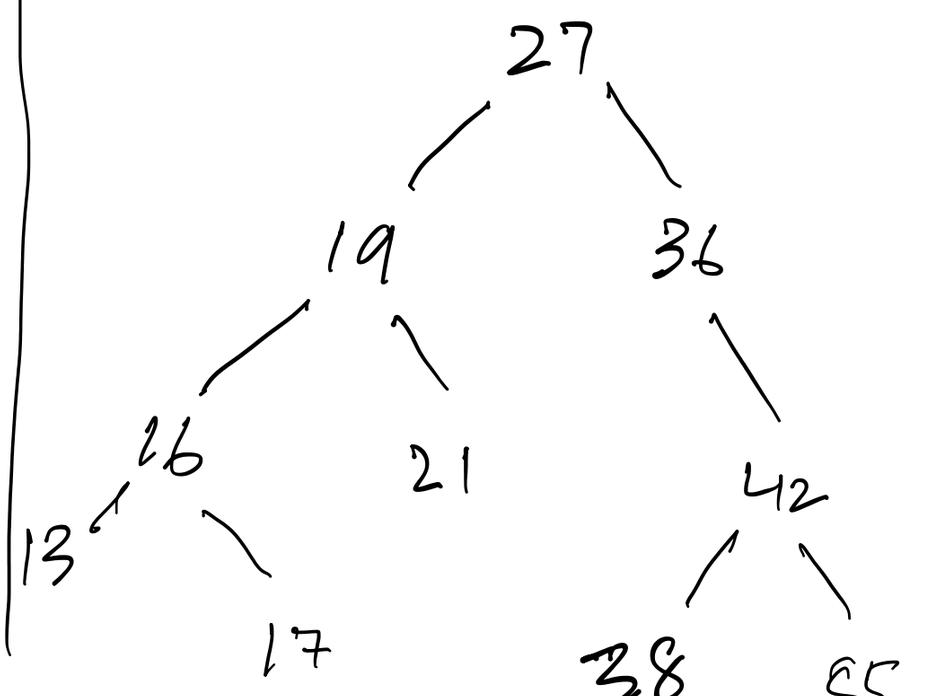


27 ✓ 19 ✓ 36 ✓ 16 ✓ 42 ✓ 21 ✓ 17 ✓ 55 ✓ 89 ✓

13,

(a+b) * (c-a)





CONCEPTUAL ALGOS

SEARCH (FIND)

1. INPUT data
2. Goto Root
3. Compare data with node
4. IF data = node.data THEN RETURN "Found", end
5. IF data < node.data THEN GOTO LEFT.
6. IF data is > node.data THEN GOTO RIGHT
7. IF NO NODE THEN OUTPUT "NOT FOUND", End.
6. Goto 3

INSERT

89

1. INPUT data
2. Goto Root
3. Compare data with node
4. IF data is less THEN Goto Left
5. IF data is greater THEN Goto Right.
6. IF there is no node, create a node and enter data, end.
7. Goto 3

Node Address

	Left	Data	Right
0	1	27	2
1	3	19	5
2	-1	36	4
3	9	16	6
4	10	42	7
5	-1	21	-1
6	-1	17	-1
7	-1	55	8
8	-1	89	-1
9	-1	13	-1
10	-1	38	-1