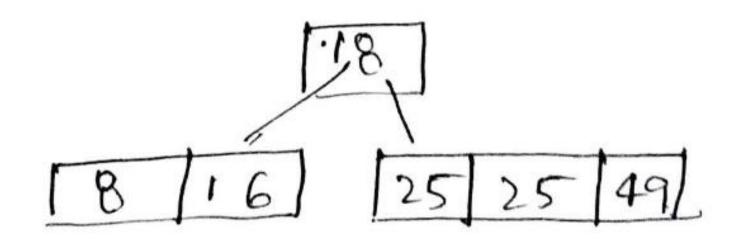
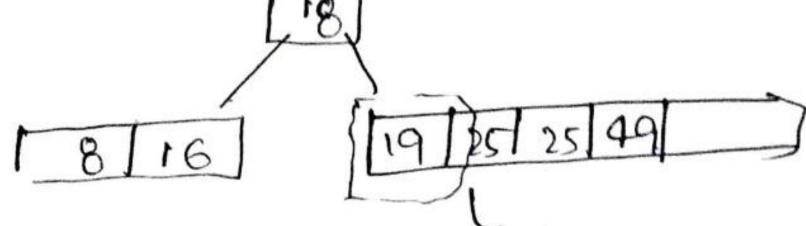
Set C B-Tree

Given B-tree of Order - 6, that means each node has max 6 children.

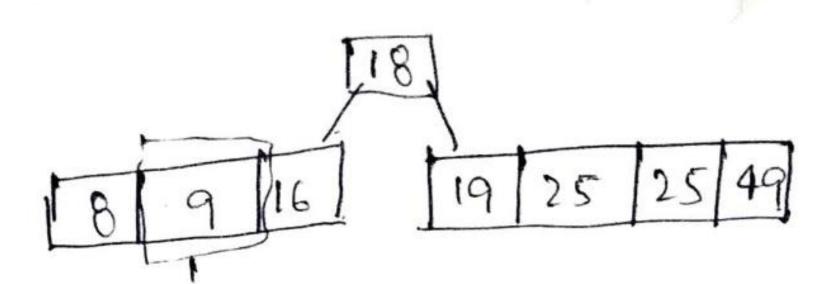
after ensertion of 8,18,25,49

All the elements in the B-tree maintains sorted data

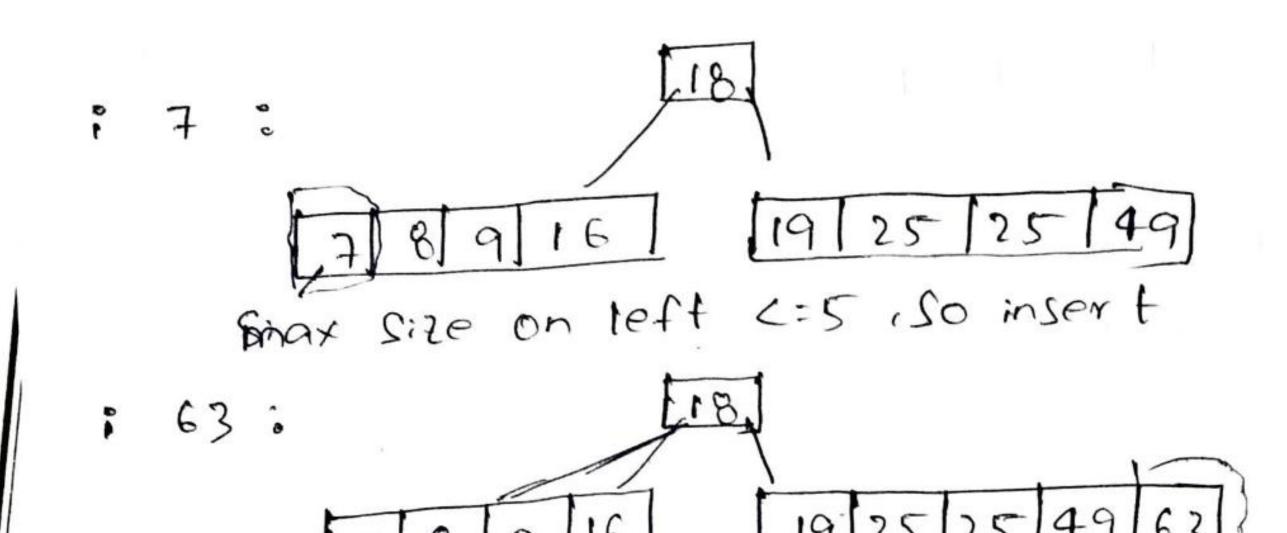




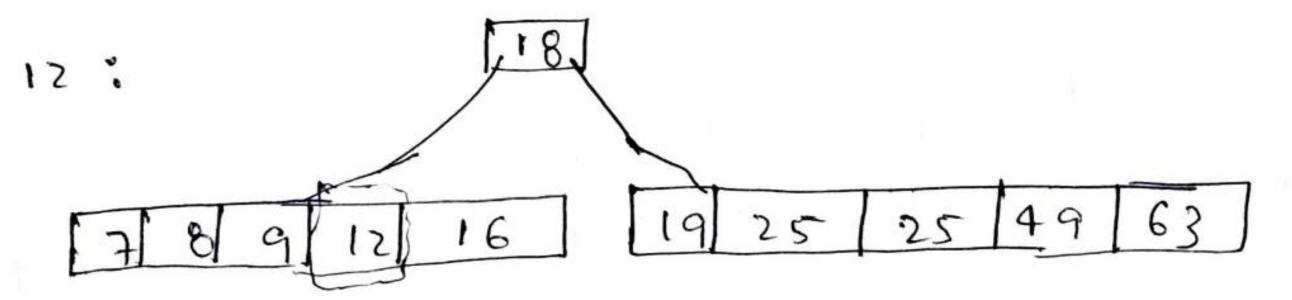
without any modification it will insert on right side



without any modification it will insert on left side



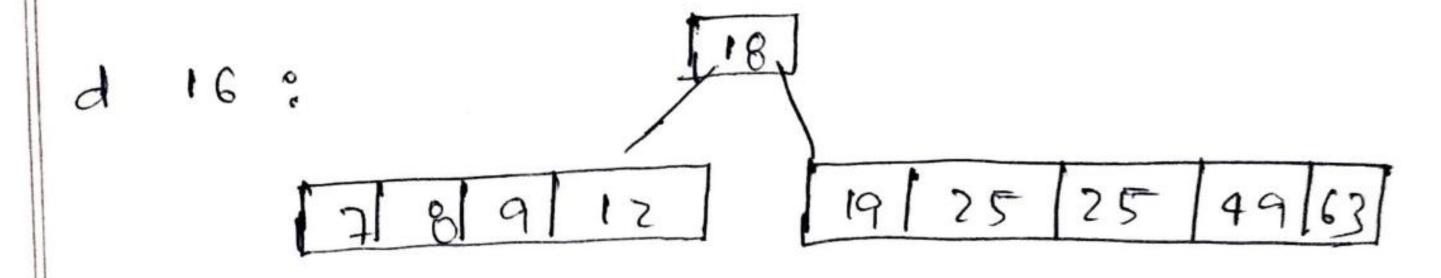
max Size 5 keys insertion Completed further more Presertion need to Split



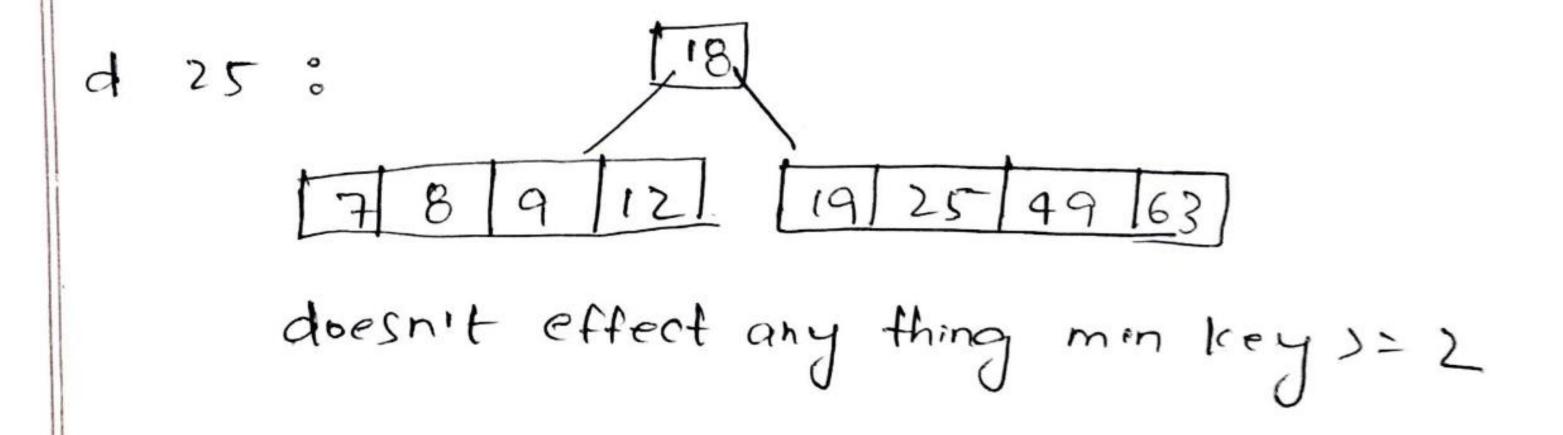
Both left and right side max keys insertion completed furthermore insertion need to spilt the trees.

(2)

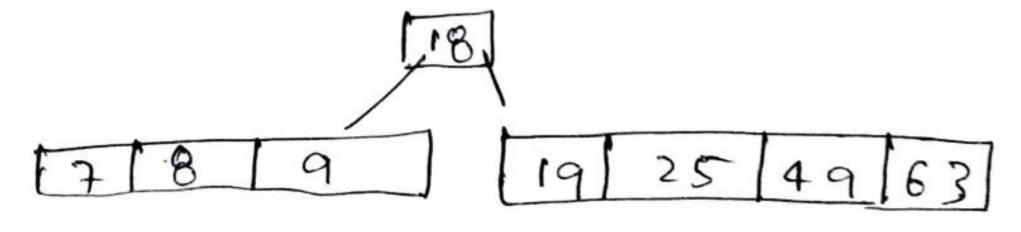
Deletion of 16



Deletion of 16 doesn't effect any modification because min tey is $\left[\frac{m}{2}\right]-1=3-1=2$



d 12:



Same as above like do underflow condition. Boz of min keys >= 2