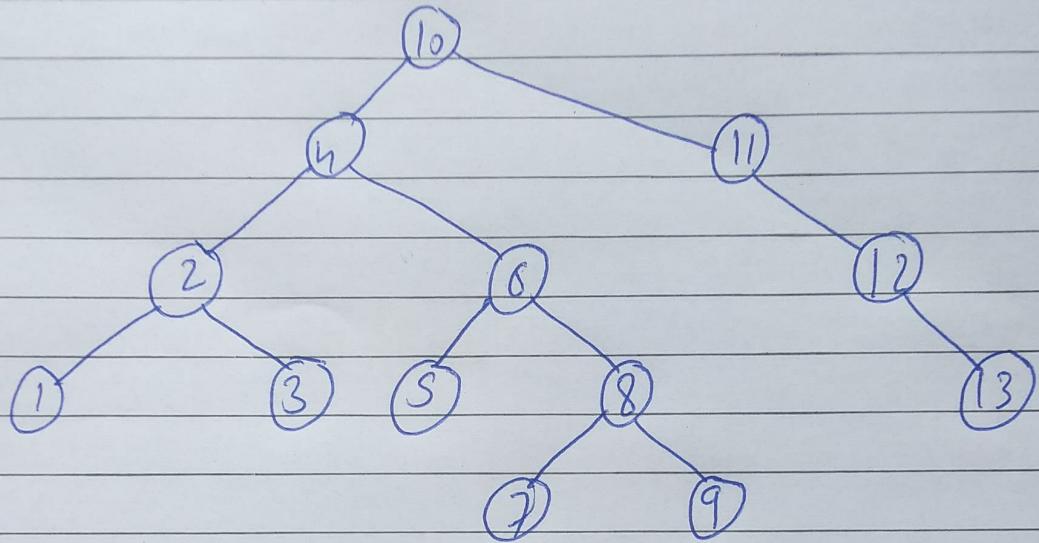
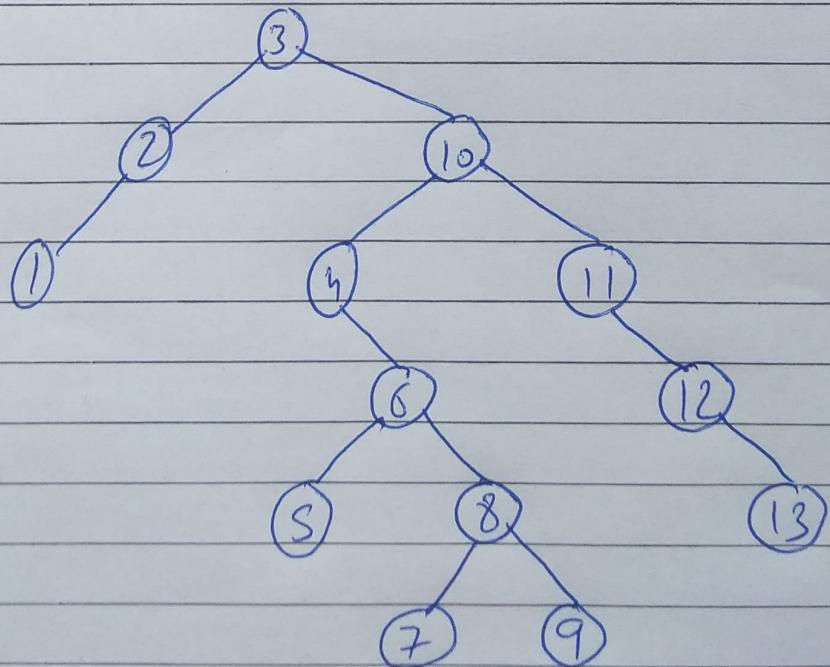


## Splay tree

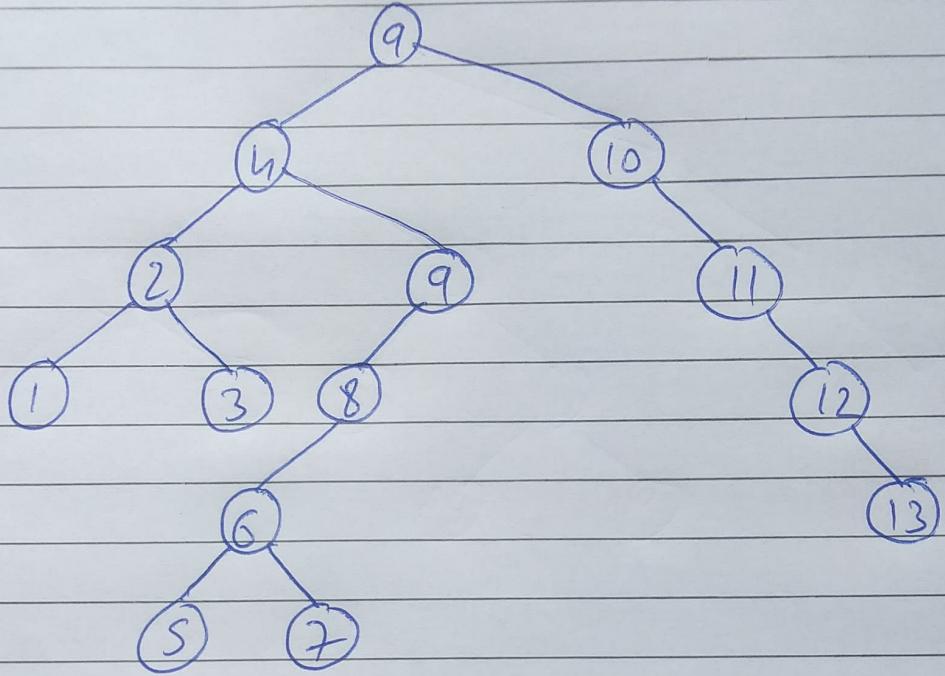
Splay tree at 3, 9, 1, 5



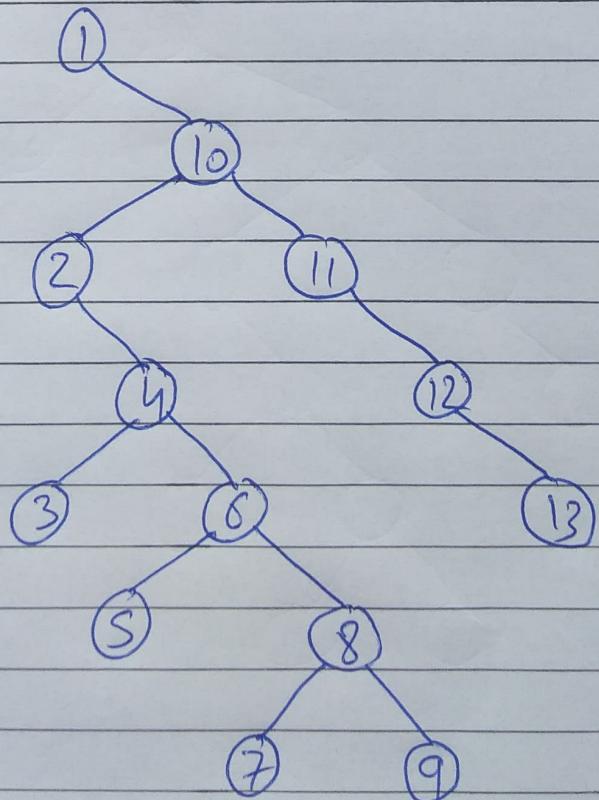
→ SPlay at ③



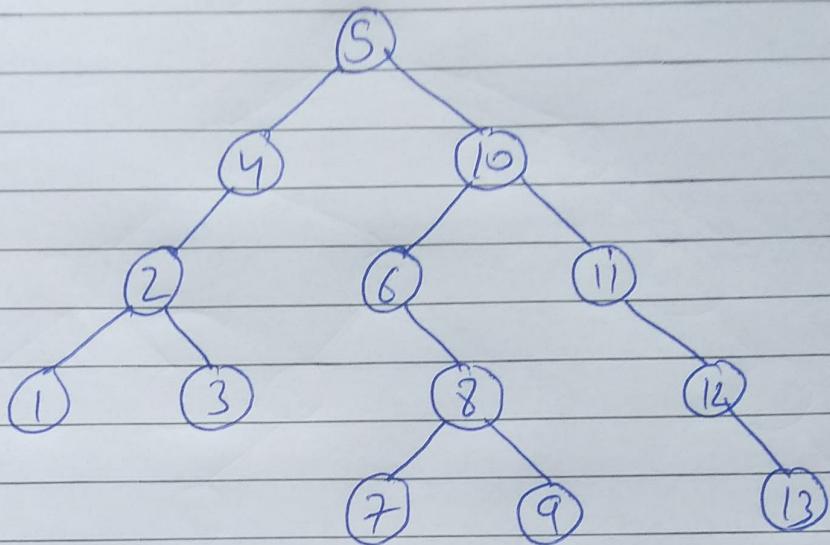
→ splay at ⑨



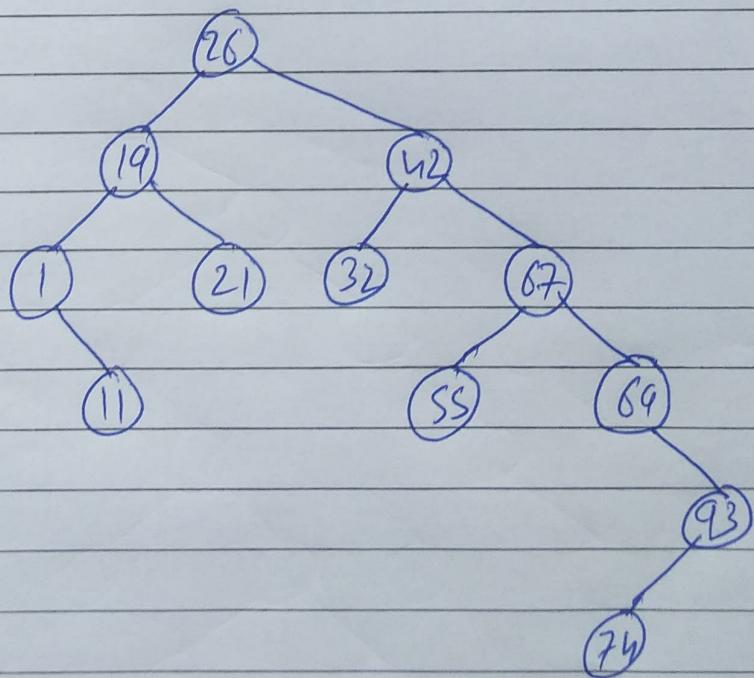
→ splay at ①



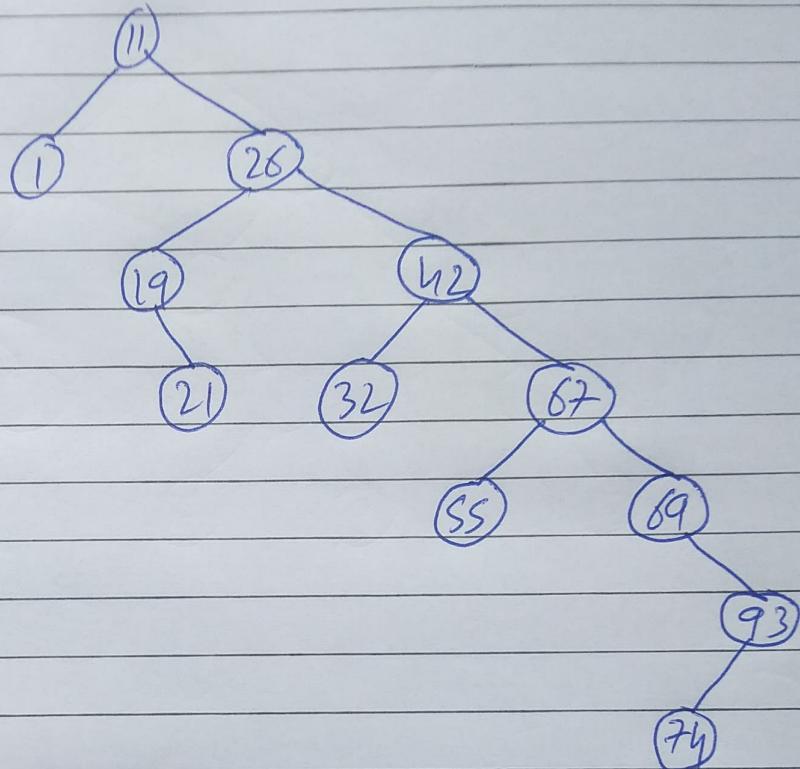
→ splay at 5



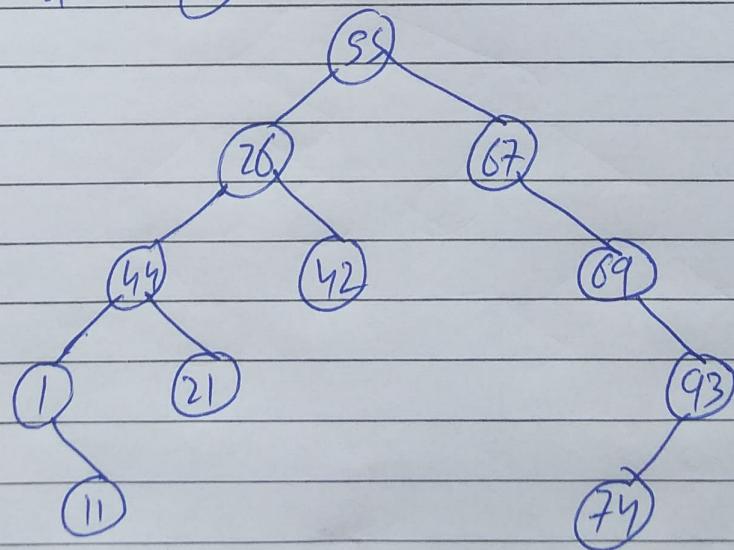
\* splay at 11, 55, 74



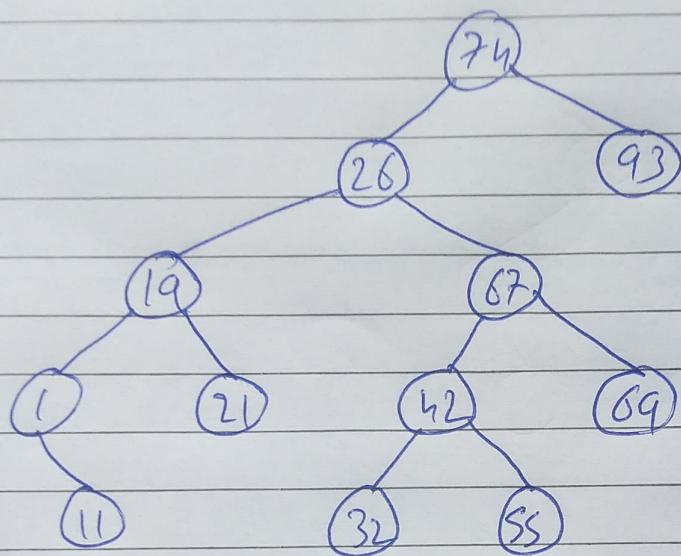
→ splay at 11



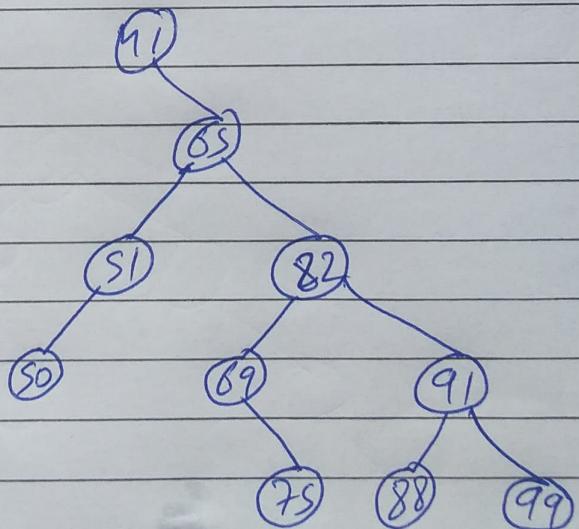
→ splay at 35



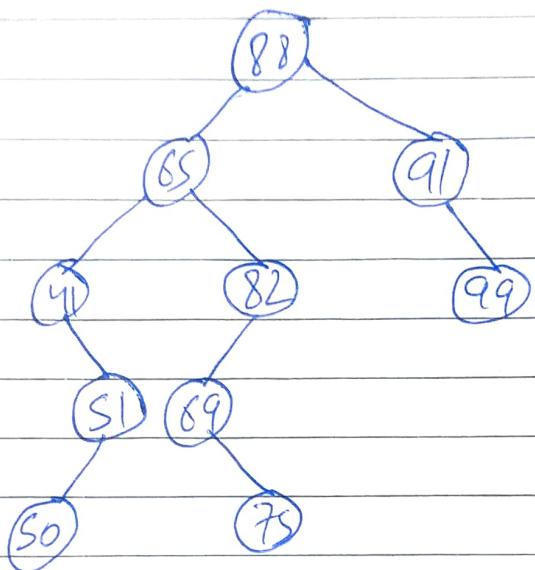
-> splay at 74



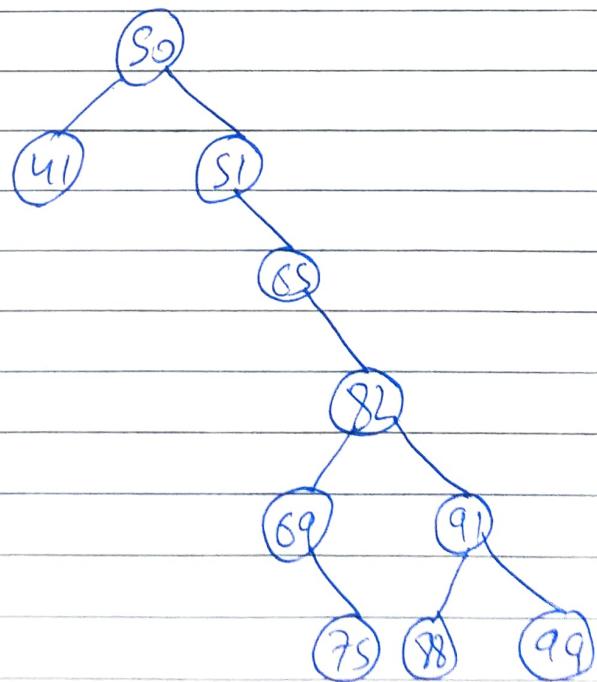
\* Splay at 88, 50



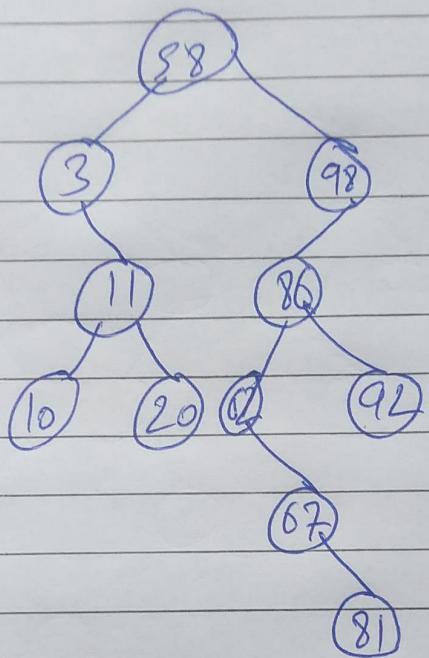
→ splay at (88)



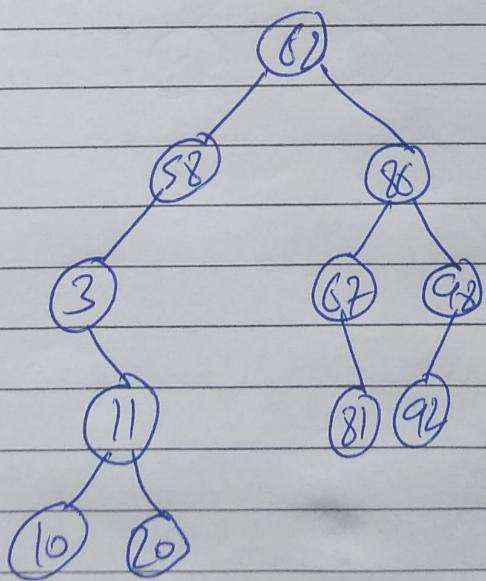
→ splay at (50)



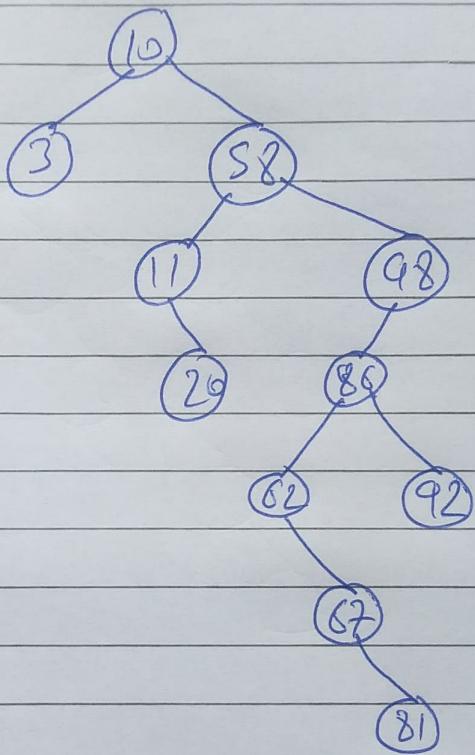
→ splay at 62, 10



→ splay at 62



→ splay at 16



B-Tree, B+ tree & B\* tree.

- Q. Create B-tree of order 3, 4, and 5 from the following data. Also create B+ tree and B\* tree of order 4.

6, 9S, 47, 32, 28, 87, 35, 51, 16, 39, 89, 97, 99.

B tree of order 3.

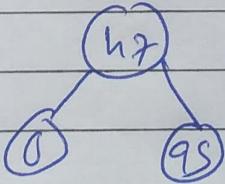
→ Insert 6

(6)

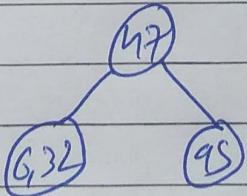
→ Insert 9S

(6, 9S)

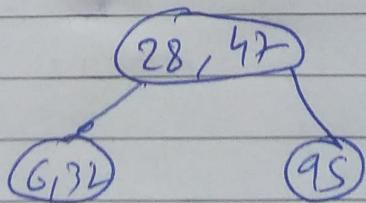
→ Insert 47



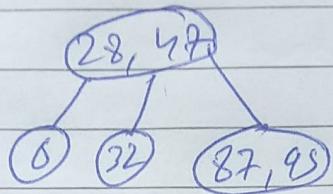
→ Insert 32



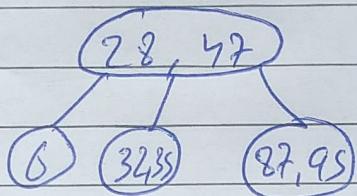
→ Insert 28



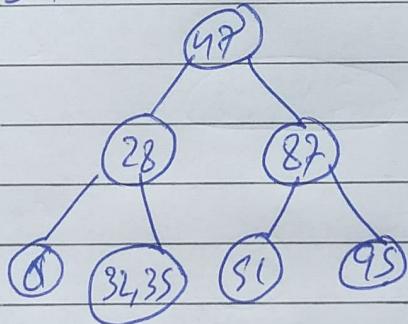
→ Insert 87



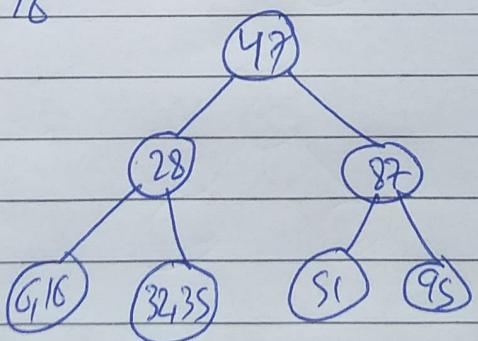
→ Insert 35



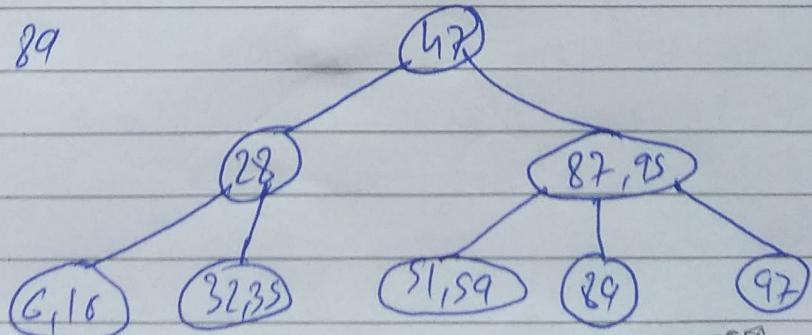
→ Insert 51



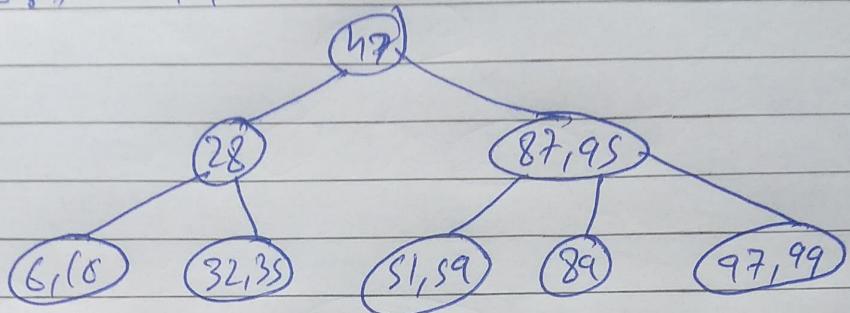
→ Insert 16



→ Insert 89



→ Insert 99

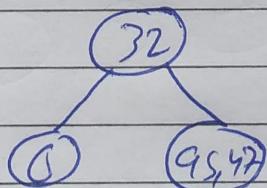


B-tree of order 4

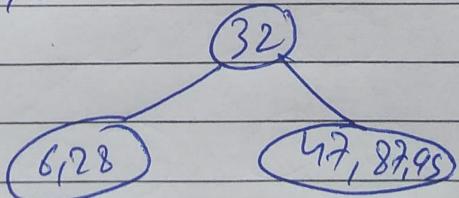
→ Insert 6, 95, 47

6,95, 47

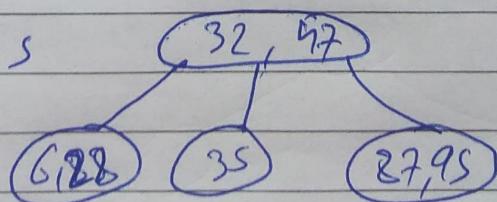
→ Insert 32



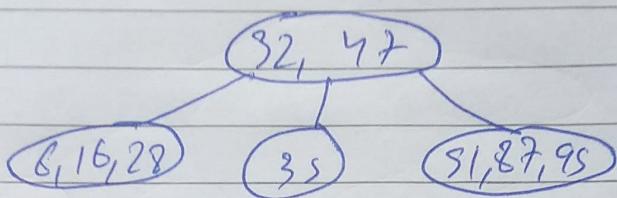
→ Insert 28, 87



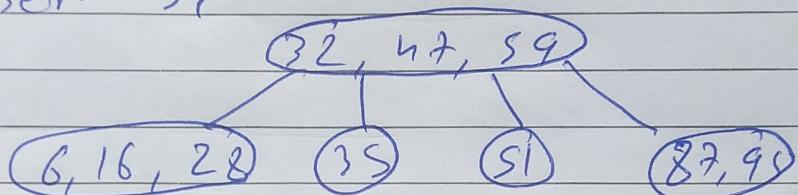
→ Insert 35



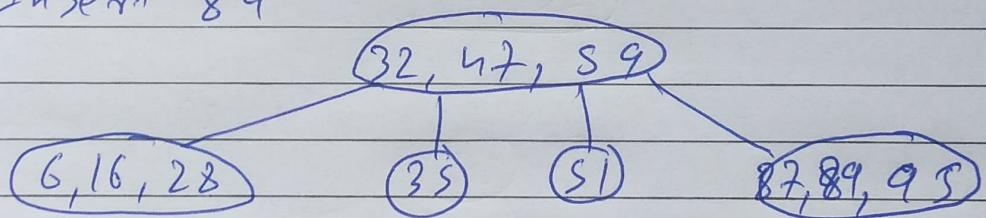
→ Insert 51, 16



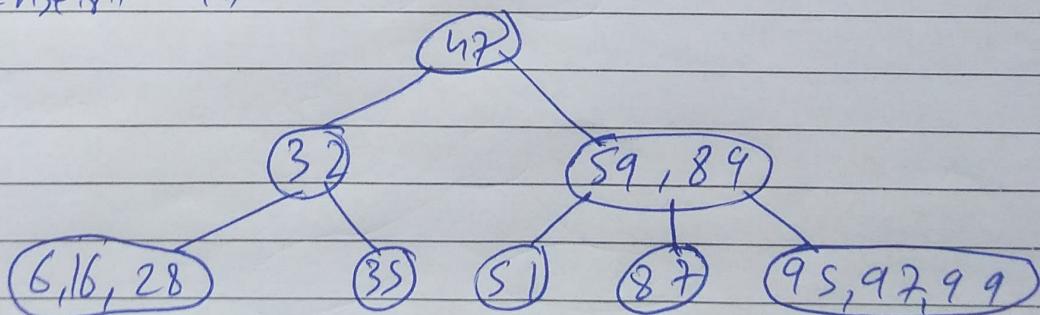
→ Insert 59



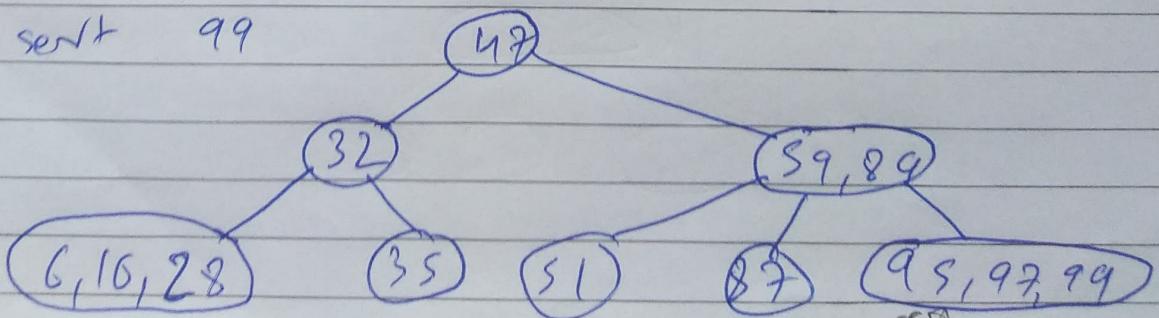
→ Insert 89



→ Insert 97



→ Insert 99

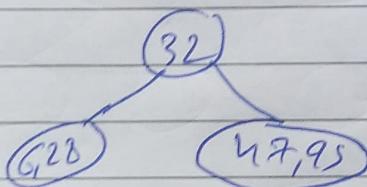


\* B-tree of order 3

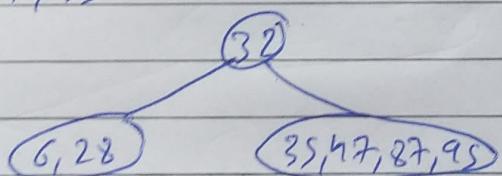
→ Insert 6, 95, 47, 32

(6, 32, 47, 95)

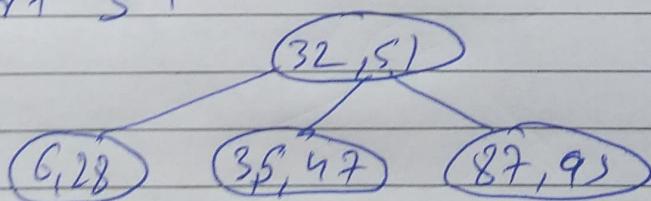
→ Insert 28



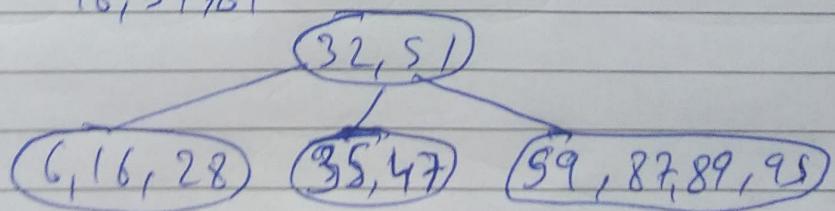
→ Insert 87, 35



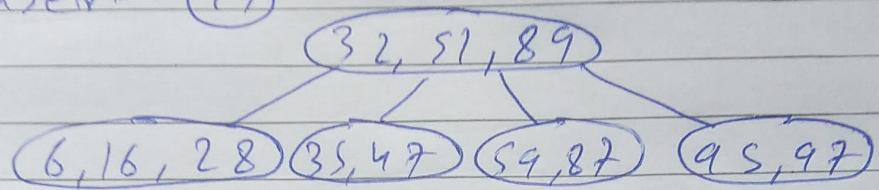
→ Insert 51



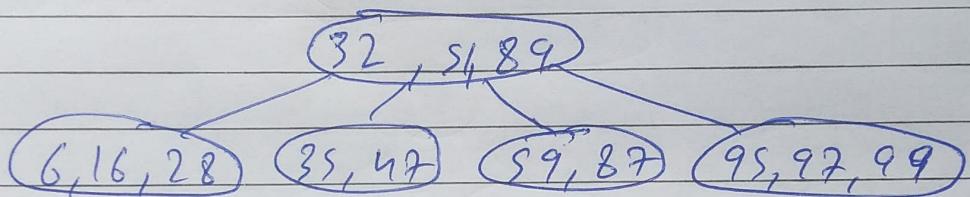
→ Insert 16, 59, 89



→ Insert 97

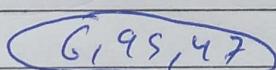


→ Insert 99

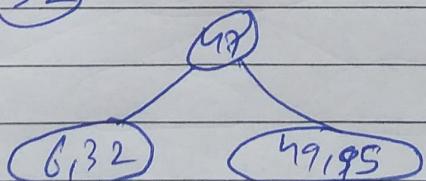


\* B + tree of order 4

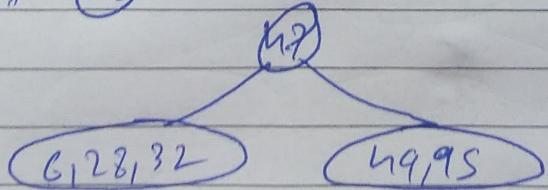
→ Insert 6, 95, 47



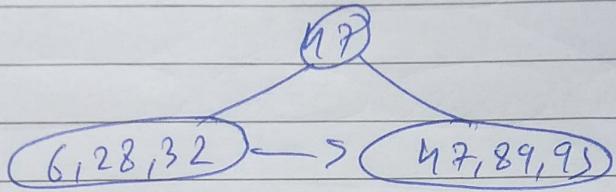
→ Insert 32



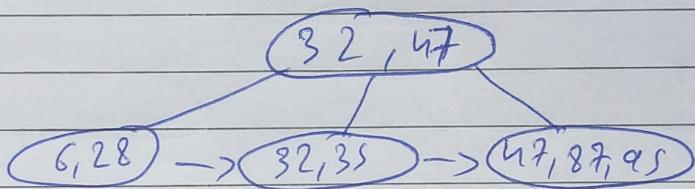
→ Insert 28



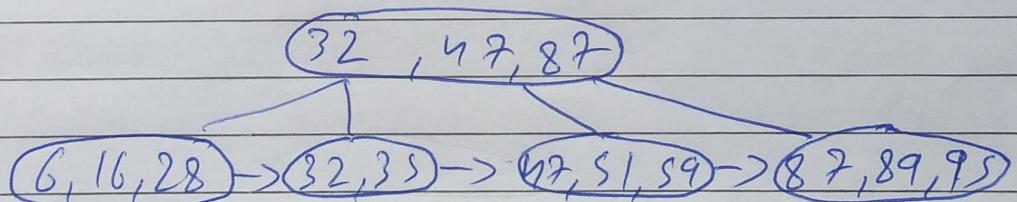
→ Insert 87



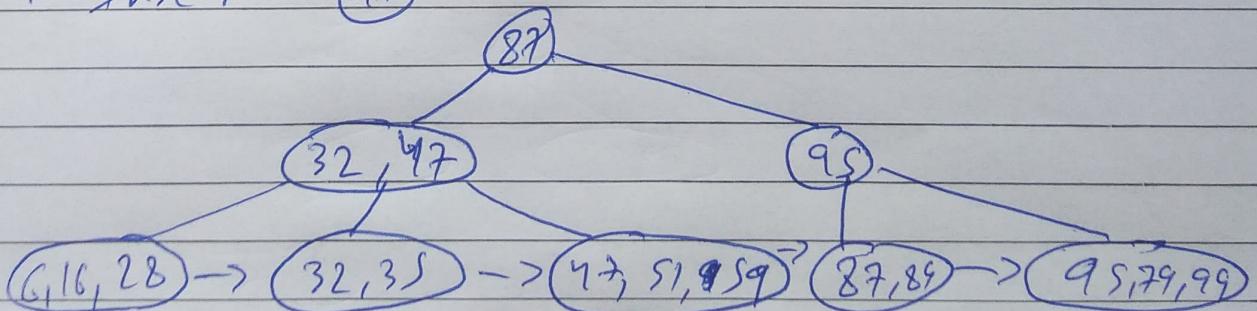
→ Insert 35



→ Insert 51, 16, 89

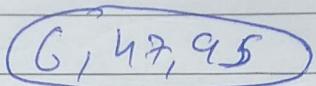


→ Insert 92

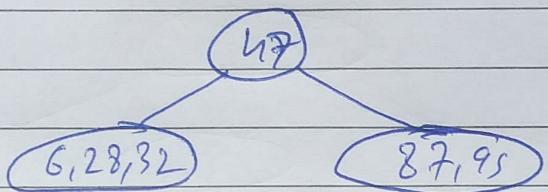


\* B\* tree of order 4

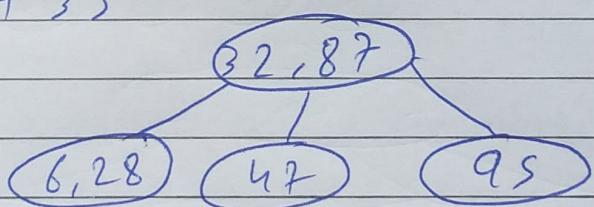
→ Insert 6, 95, 47



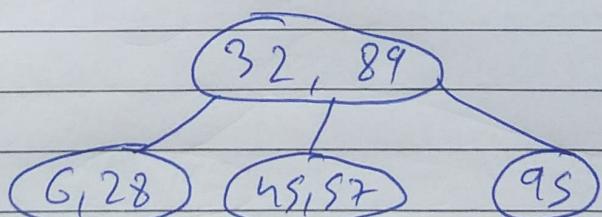
→ Insert 32, 28, 87



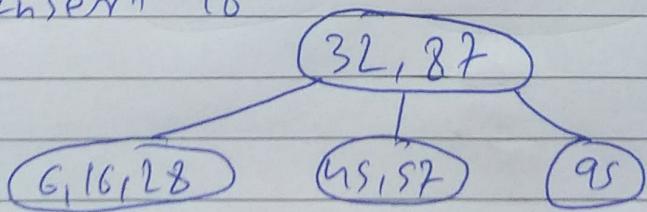
→ Insert 31



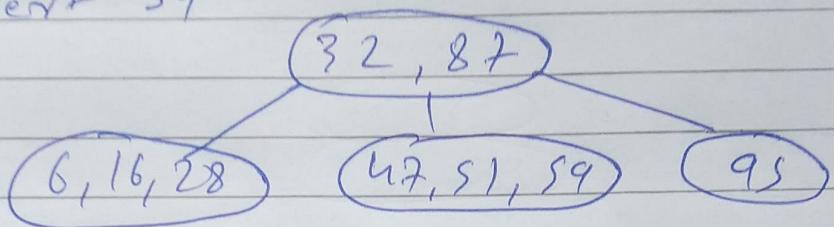
→ Insert 51



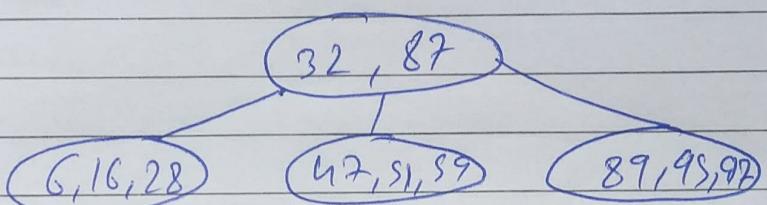
→ Insert 16



→ Insert 59



→ Insert 89, 97



→ Insert 99

