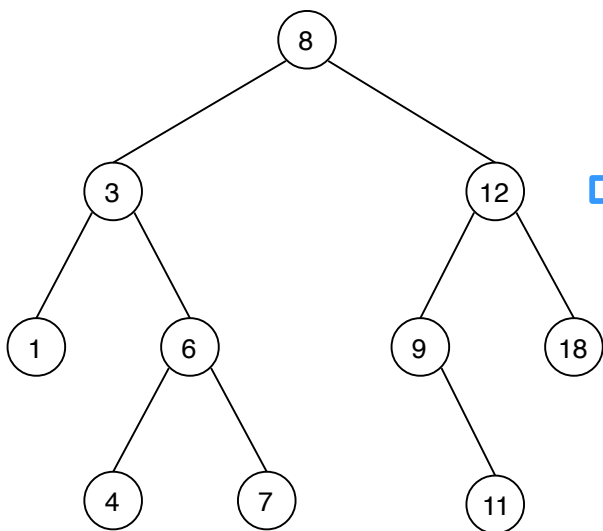# Binary Search Tree
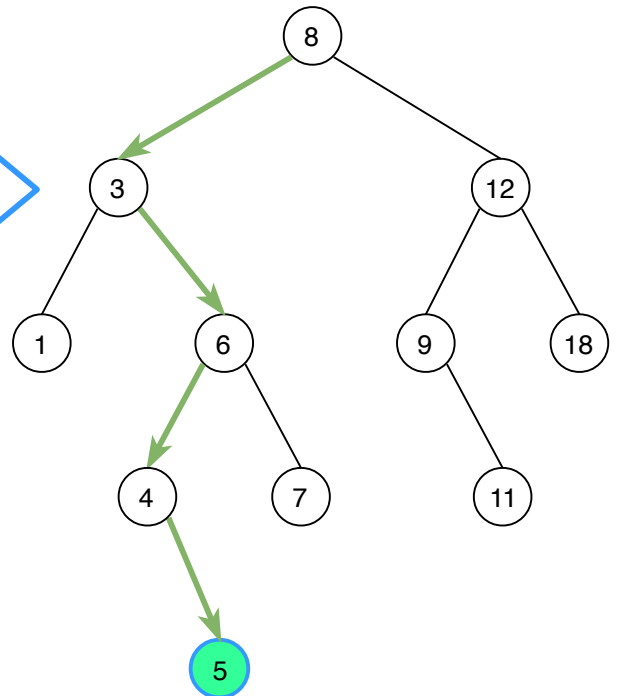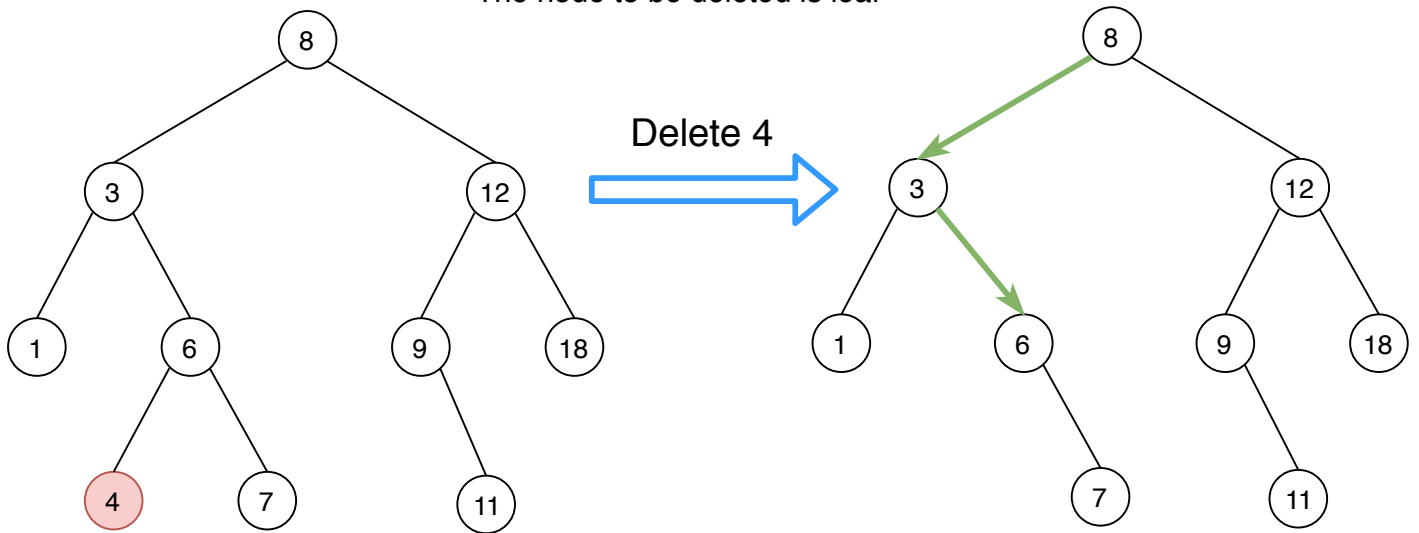
Search 7
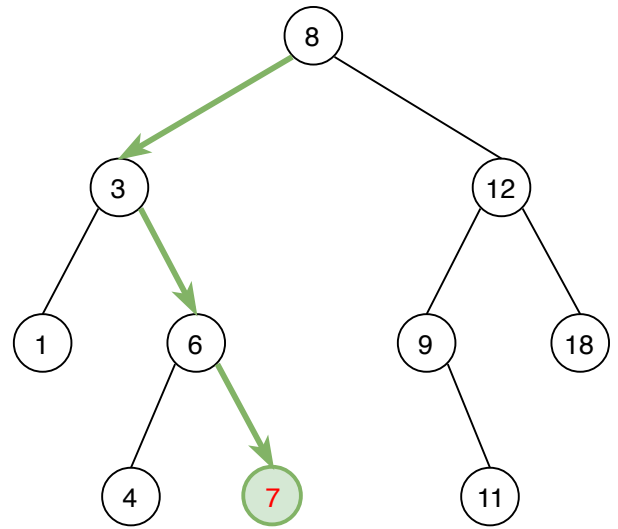
Insert 5

The node to be deleted is leaf
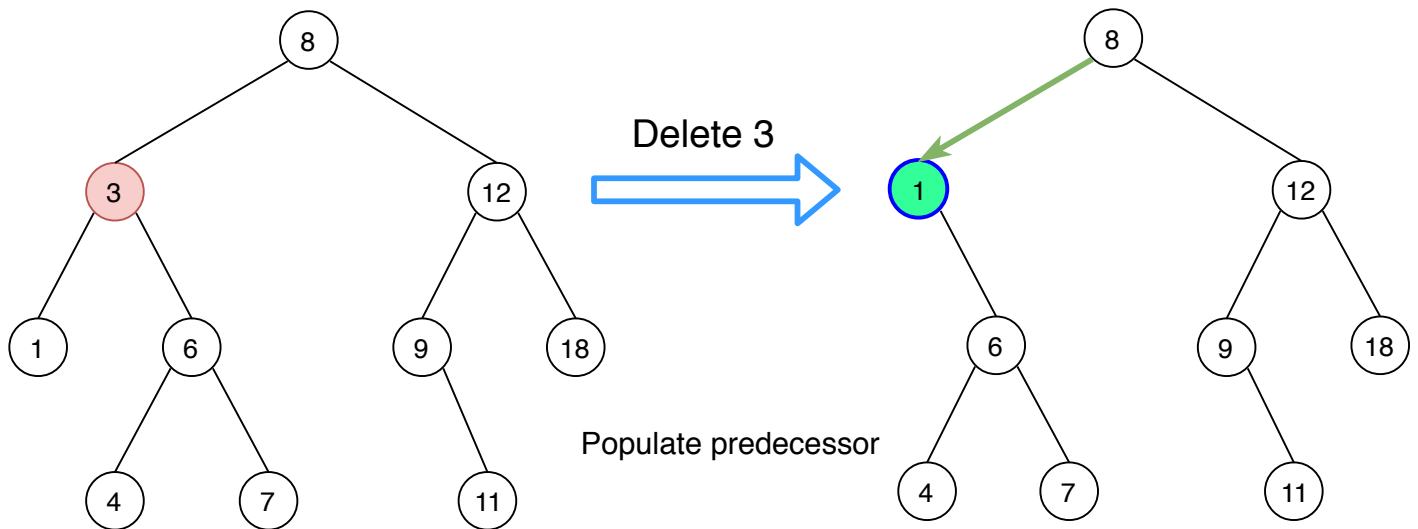

Delete 4

The node to be deleted has one child
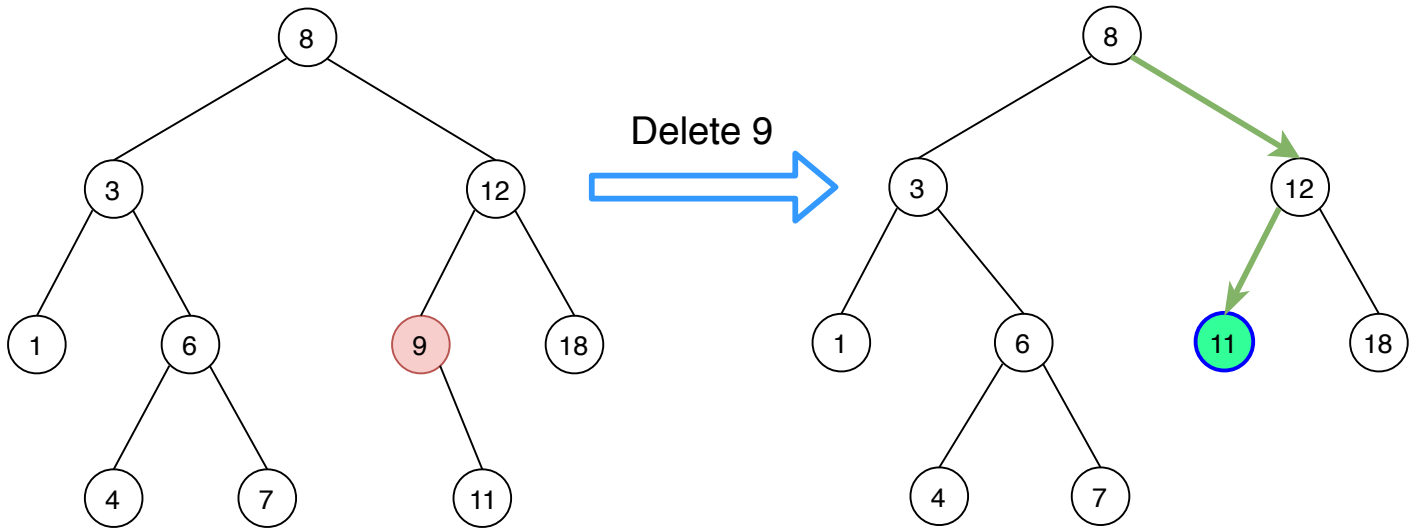
Delete 9

The node to be deleted has two children

Delete 3

Populate successor

The node to be deleted has two children

8
3
12
1
6
9
18
4
7
11

Delete 3

8
1
12
6
9
18
4
7
11

Populate predecessor
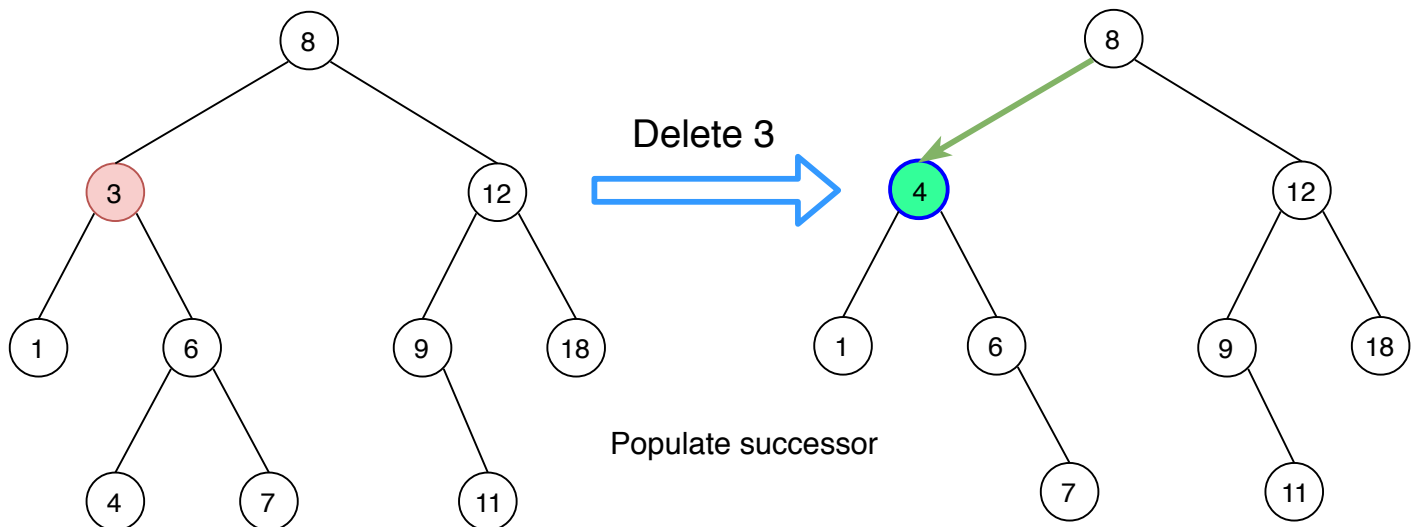
Balanced Binary Search Tree

0
1
2
3
4

Rebalance

2
0
3
1
4