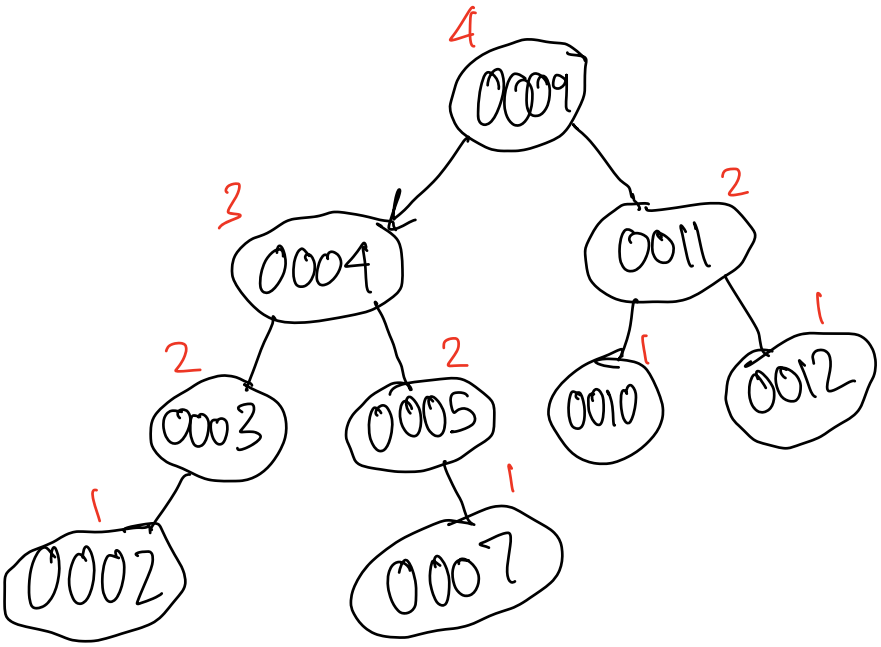
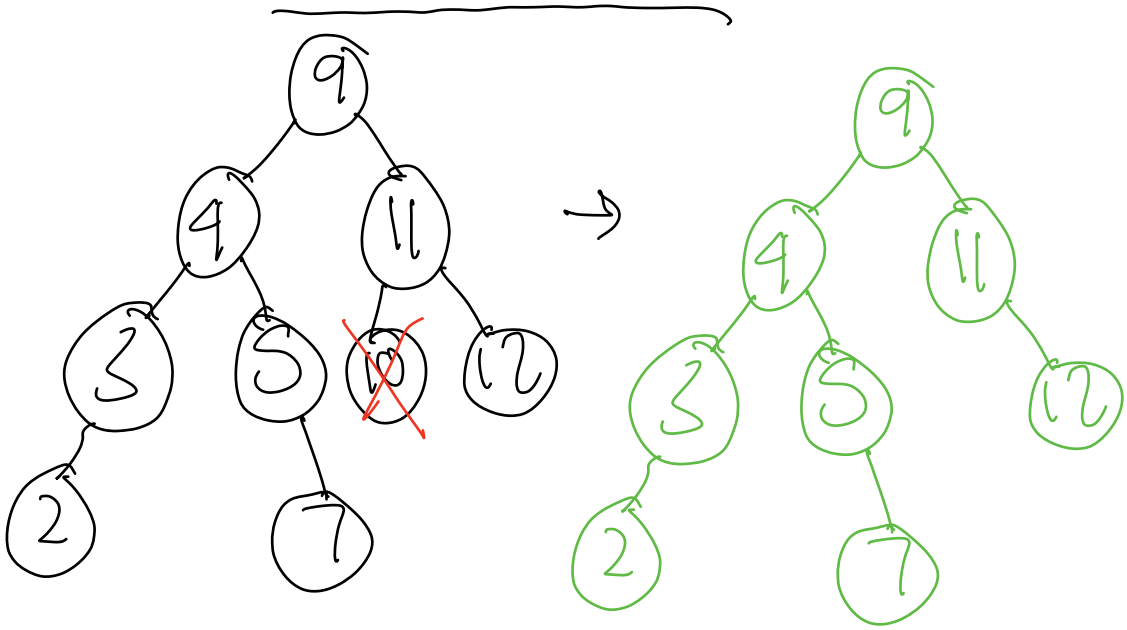
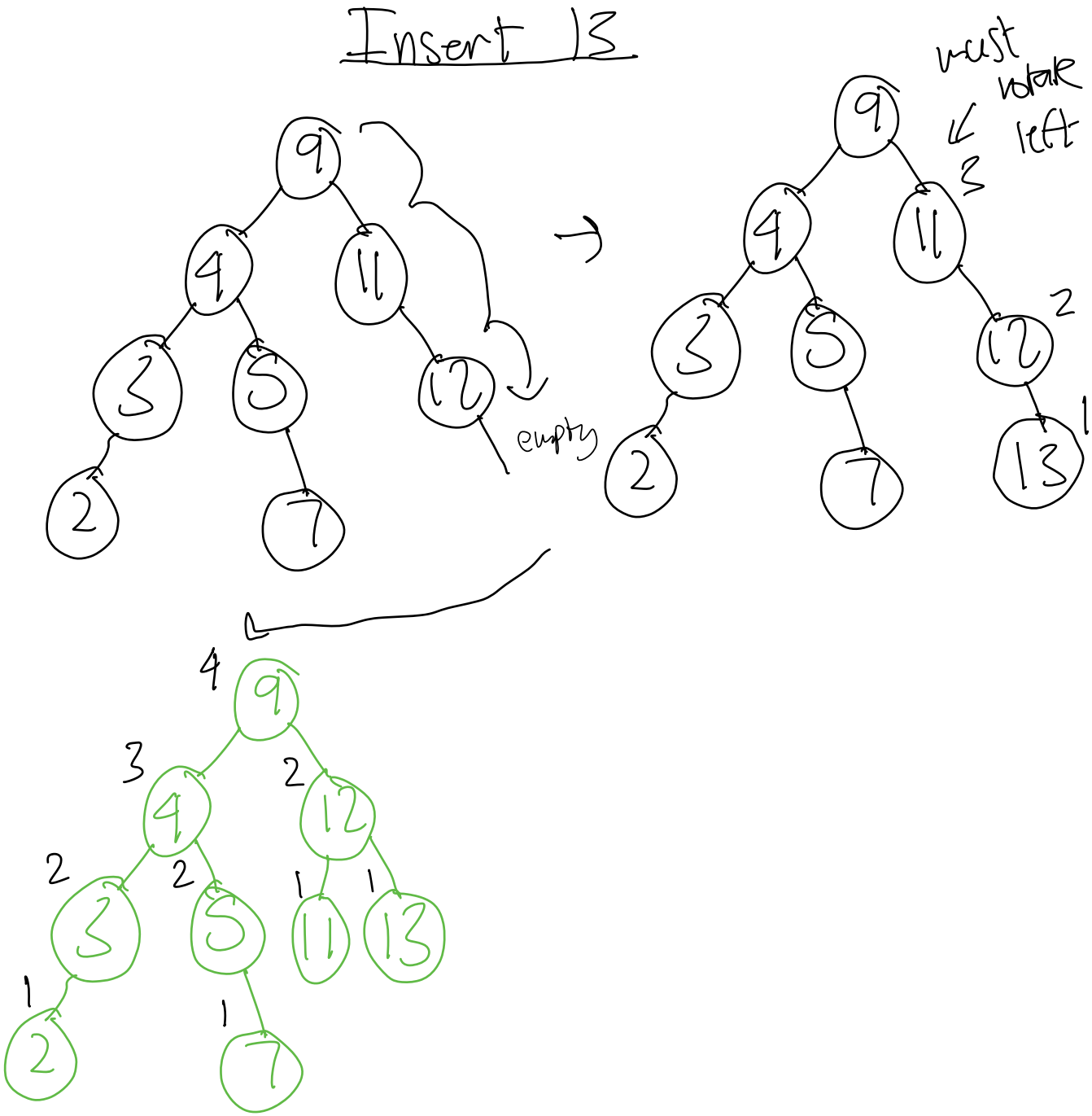

4
0009
3
0004
2
0011
2
0003
2
0005
1
0010
1
0012
1
0002
1
0007

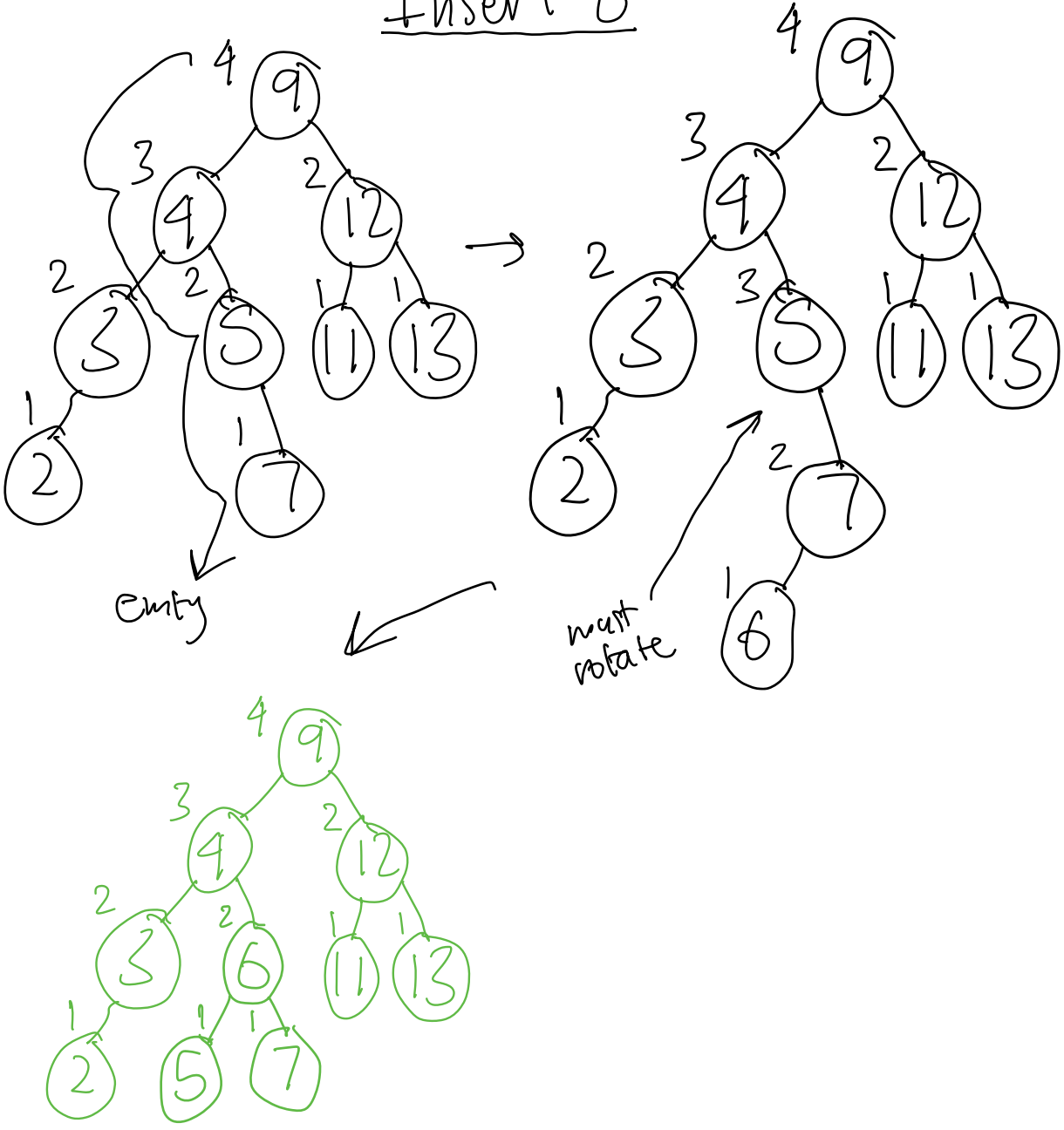
## Remove 10


9
4
11
3
5
10
12
2
7
9
4
11
3
5
12
2
7

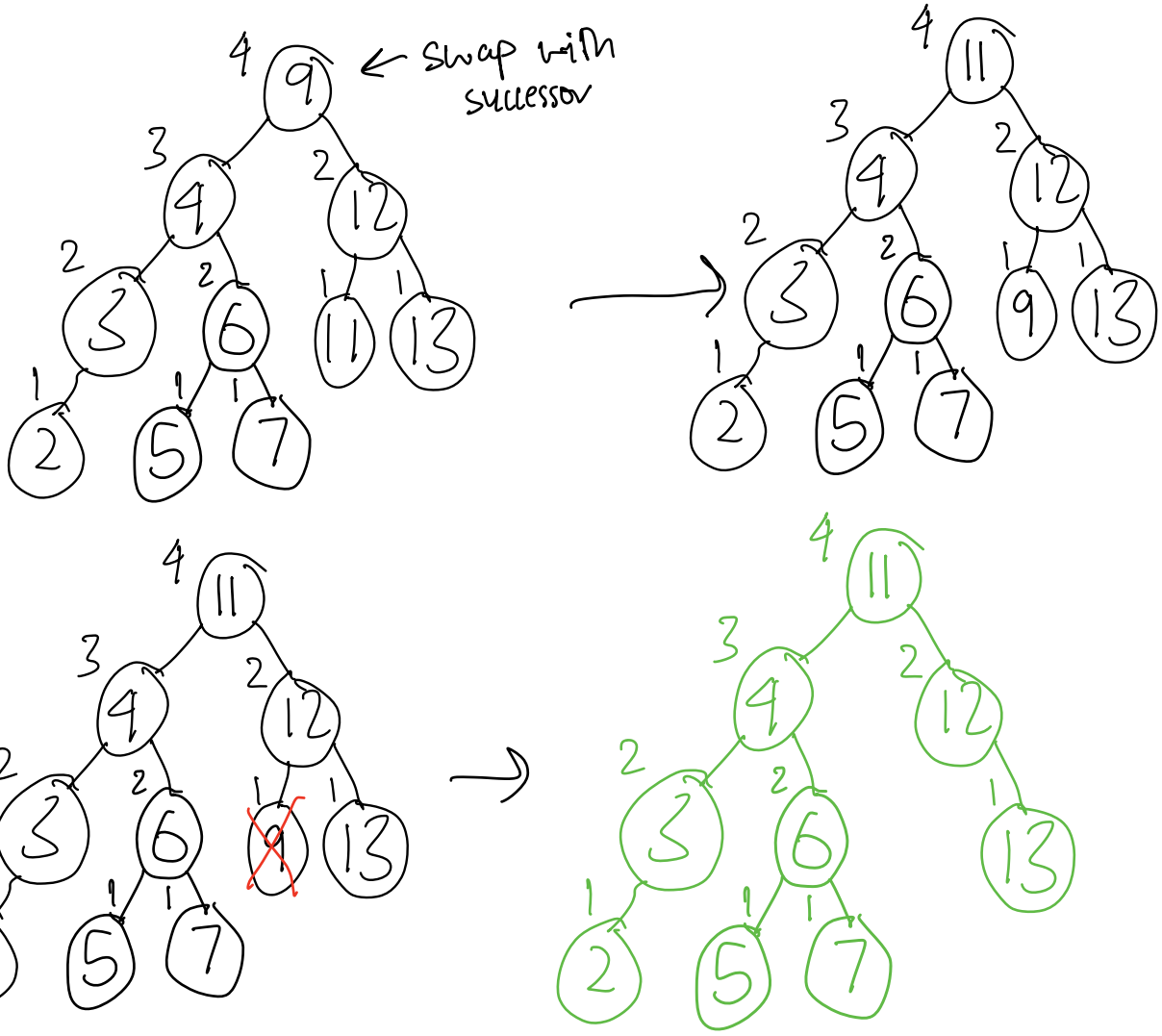
# Insert 13



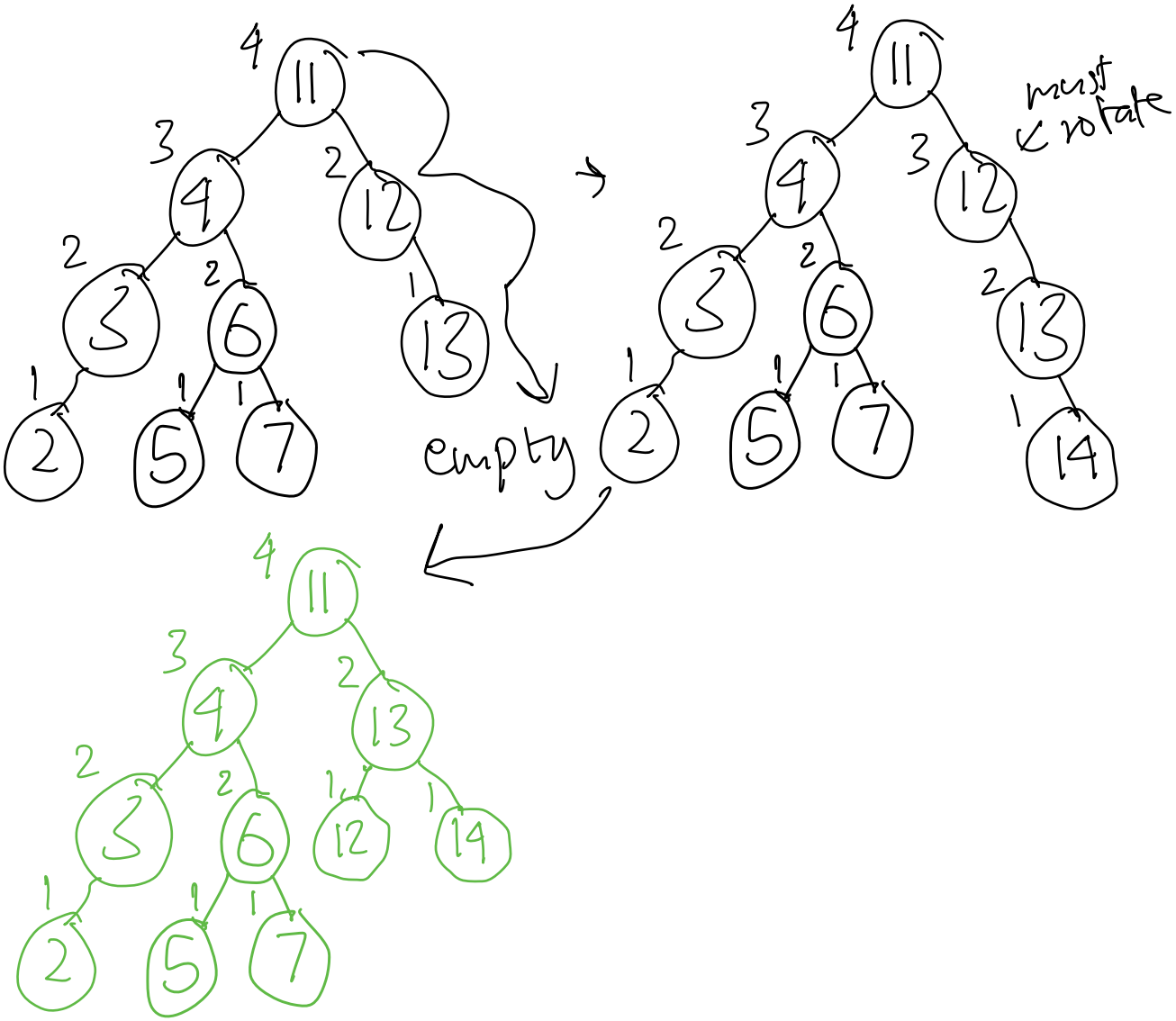
# Insert 6


4
9
3
4
2
12
2
3
2
5
1
11
1
13
1
2
1
7
empty
4
9
3
4
2
12
2
3
3
5
1
11
1
13
1
2
2
7
1
6
must rotate
4
9
3
4
2
12
2
3
2
6
1
11
1
13
1
2
1
5
1
7

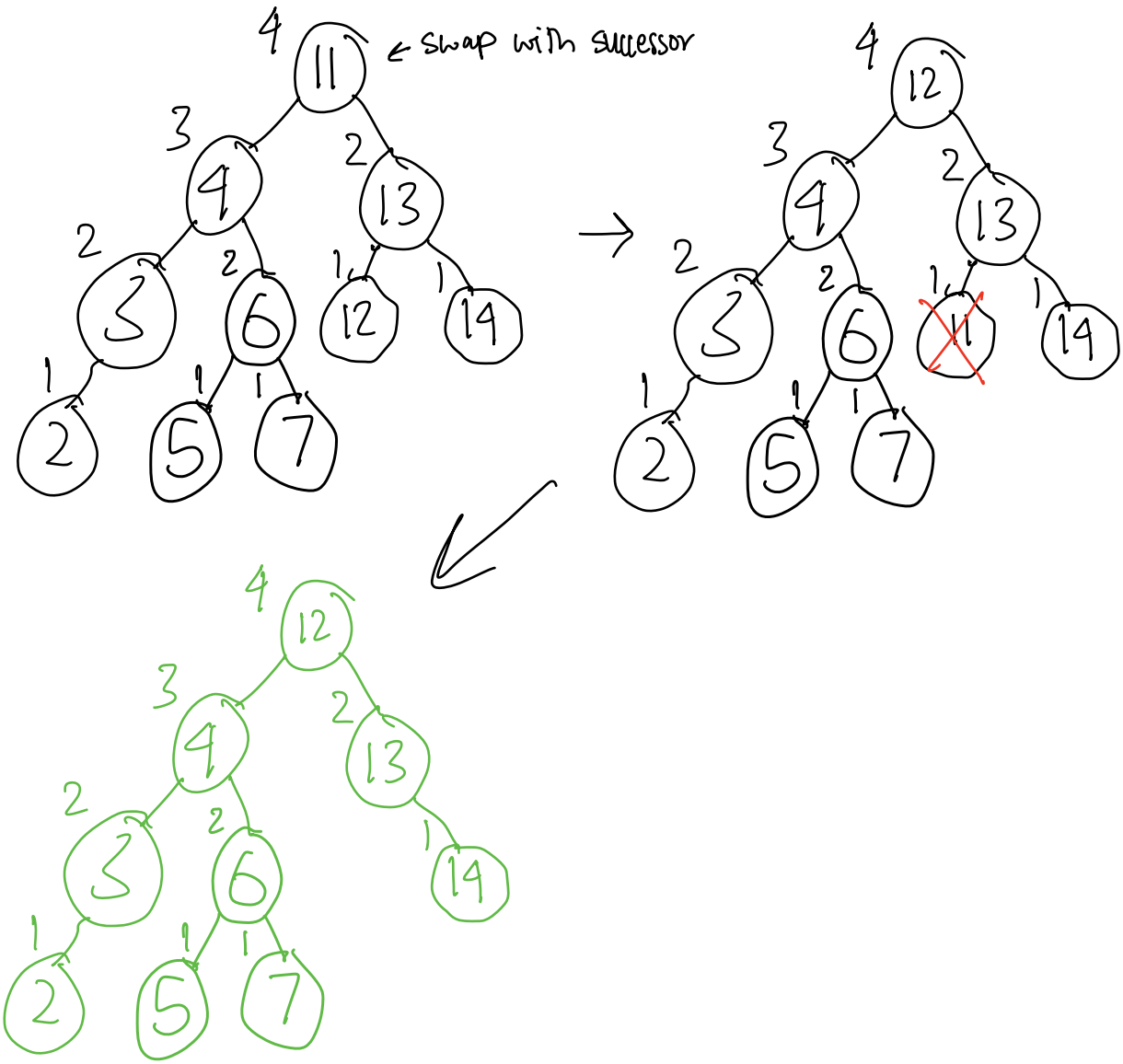
# Remove 9


4
9
swap with successor
3
4
2
12
2
5
2
6
1
11
1
13
1
2
1
5
1
7
4
11
3
4
2
12
2
5
2
6
1
9
1
13
1
2
1
5
1
7
4
11
3
4
2
12
2
5
2
6
1
9
1
13
1
2
1
5
1
7
4
11
3
4
2
12
2
5
2
6
1
13
1
2
1
5
1
7

# Insert 14


4
11
3
4
2
12
2
3
2
6
1
13
1
2
1
5
1
7
empty
must rotate
4
11
3
4
3
12
2
3
2
6
2
13
1
2
1
5
1
7
1
14
4
11
3
4
2
13
2
3
2
6
1
12
1
14
1
2
1
5
1
7

# Remove 11


4
11
← swap with successor
3
4
2
13
2
3
2
6
1
12
1
14
1
2
1
5
1
7
4
12
3
4
2
13
2
3
2
6
1
14
1
2
1
5
1
7
4
12
3
4
2
13
2
3
2
6
1
14
1
2
1
5
1
7