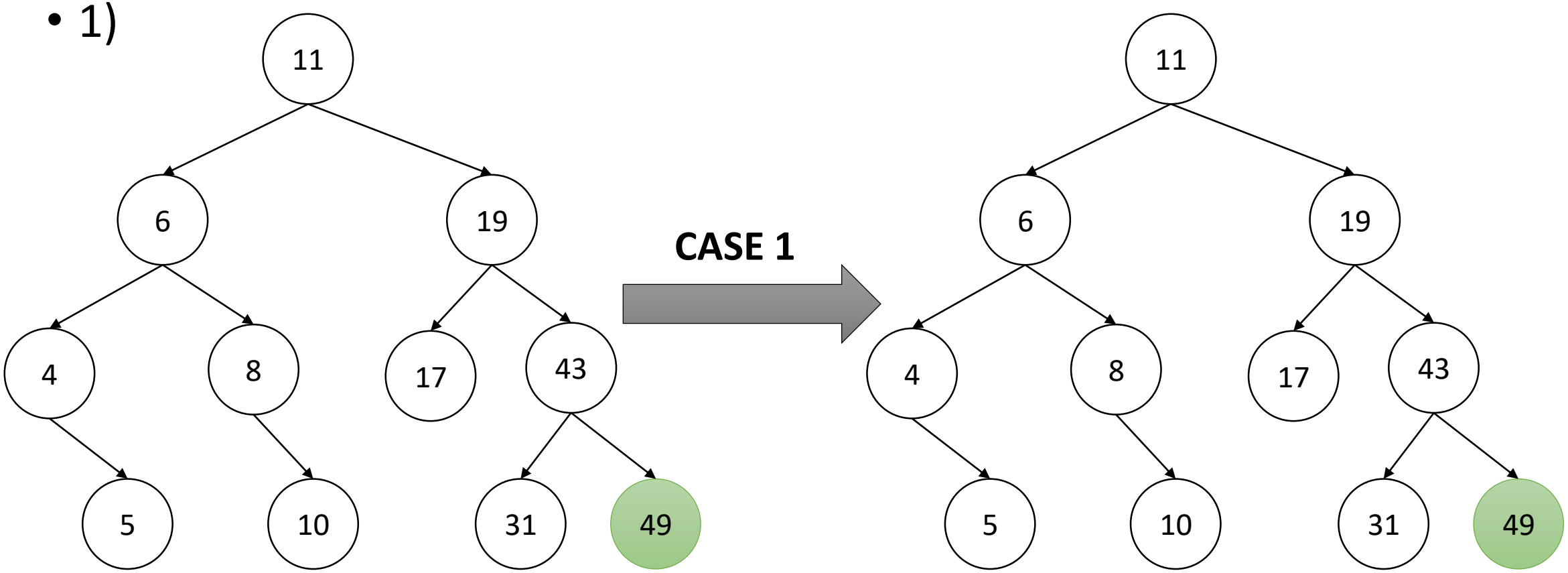
Deleting Elements from BST

Deletion Cases

- Case 1: Leaf Node (0 degree/child)
- Case 2: 1 degree/child
- Case 3: 2 degree/child
  - Inorder predecessor
  - Inorder successor

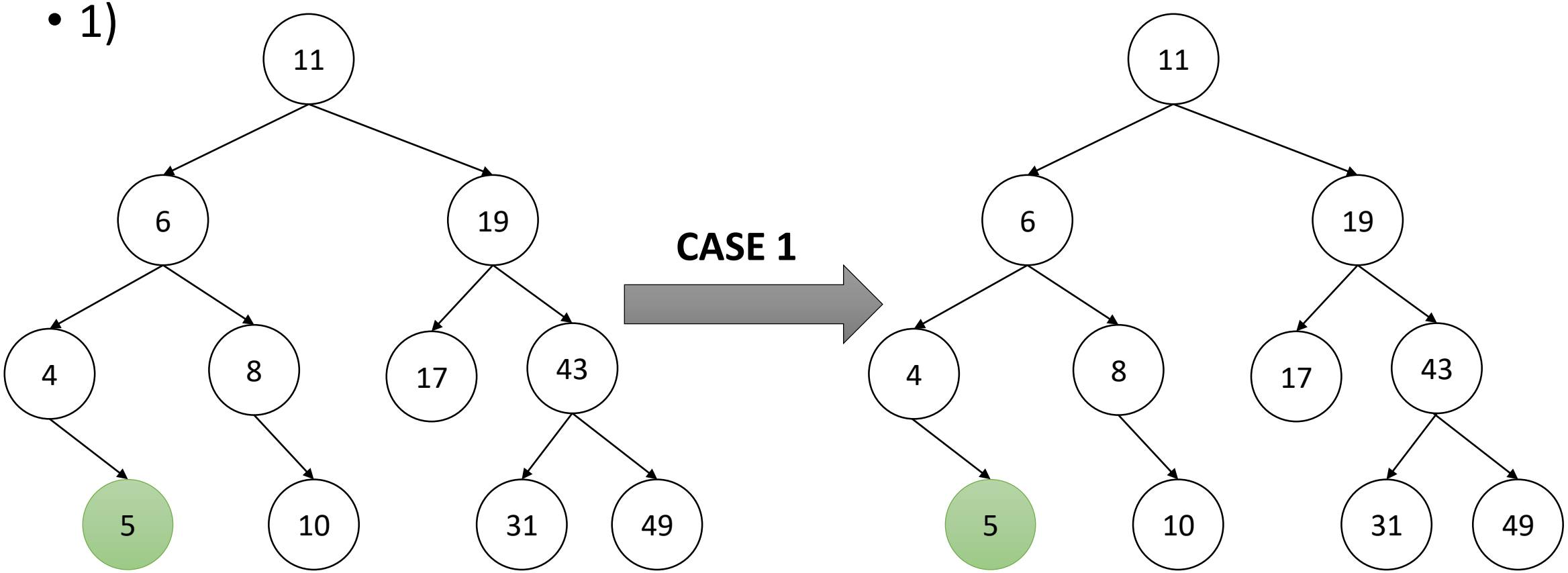
Example

- 1)



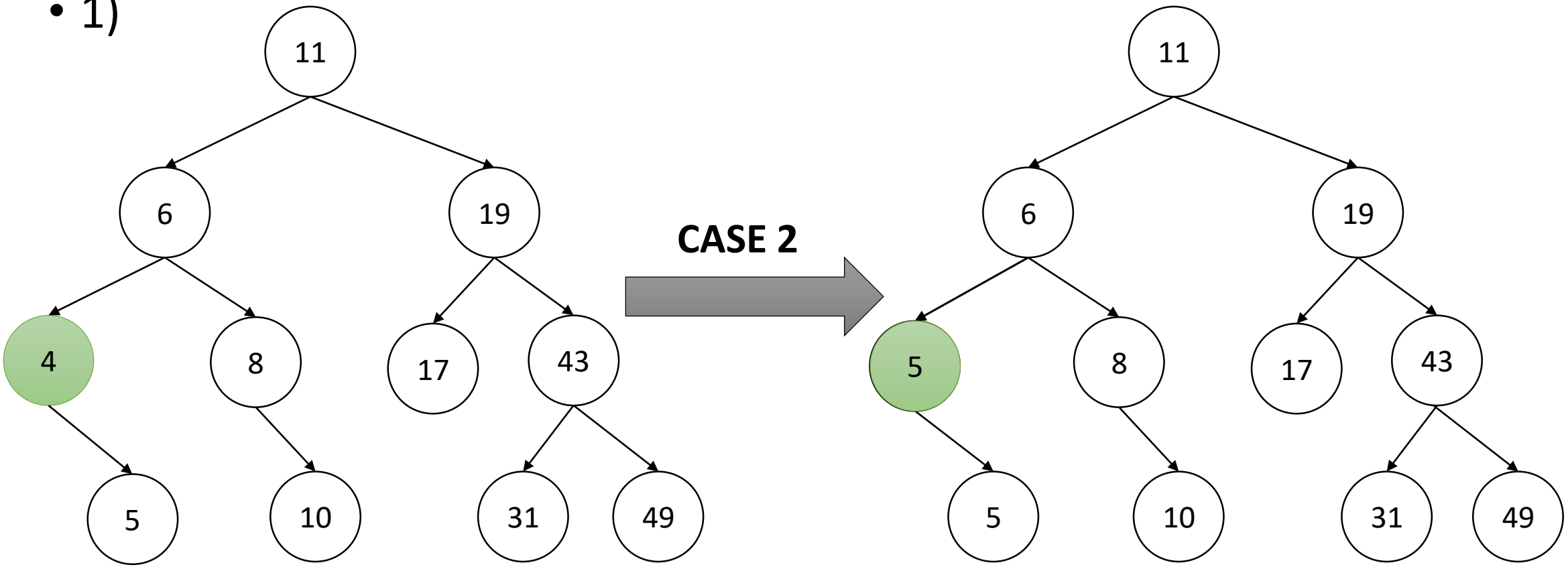
Example

- 1)



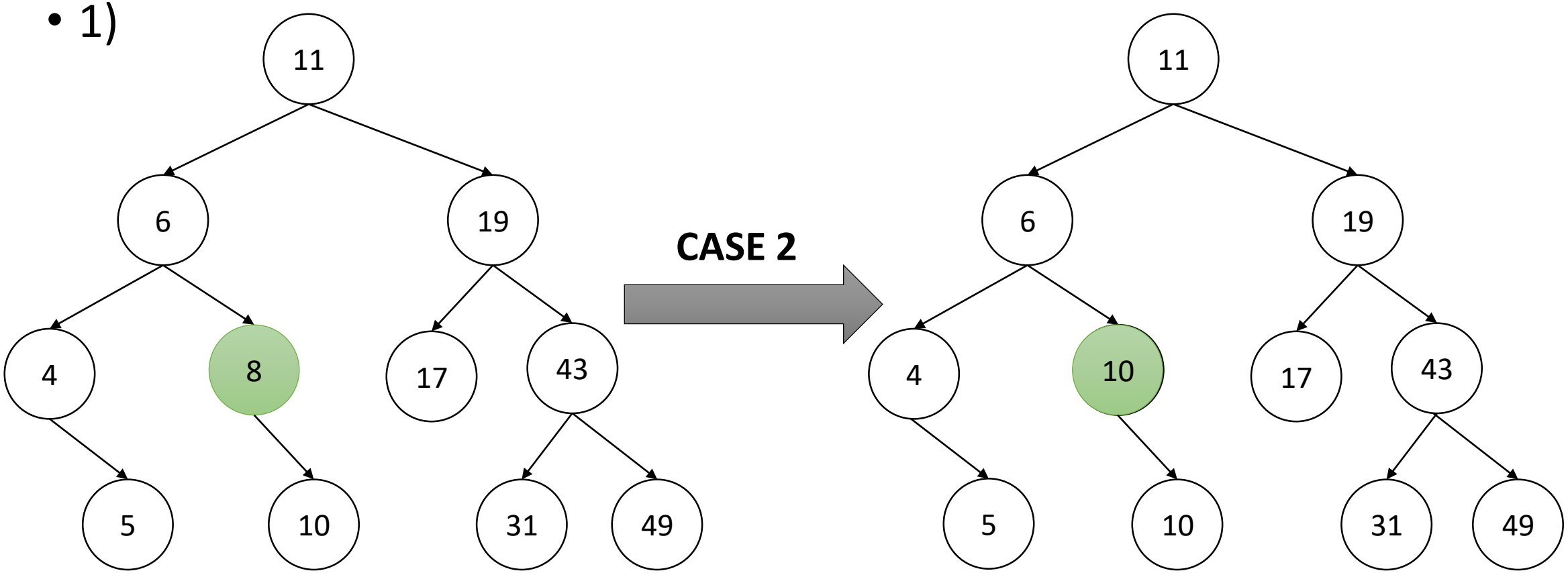
Example

- 1)



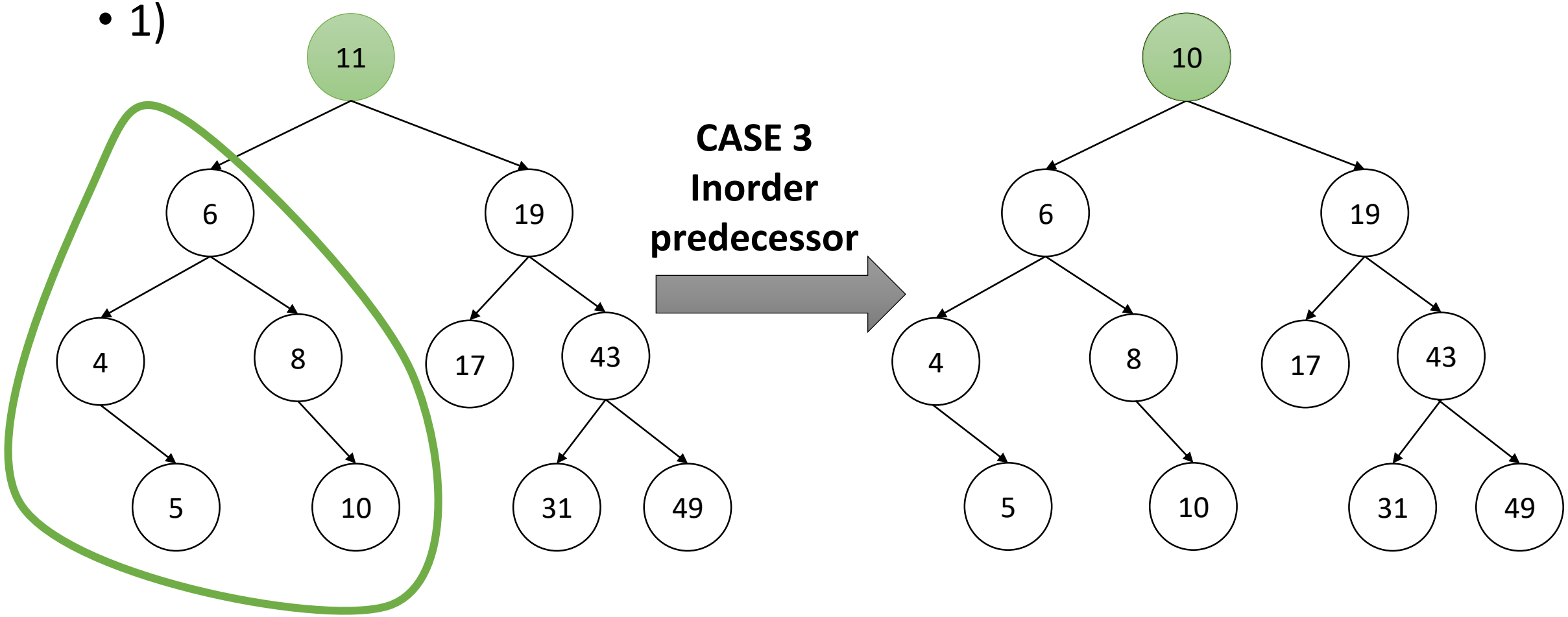
Example

- 1)



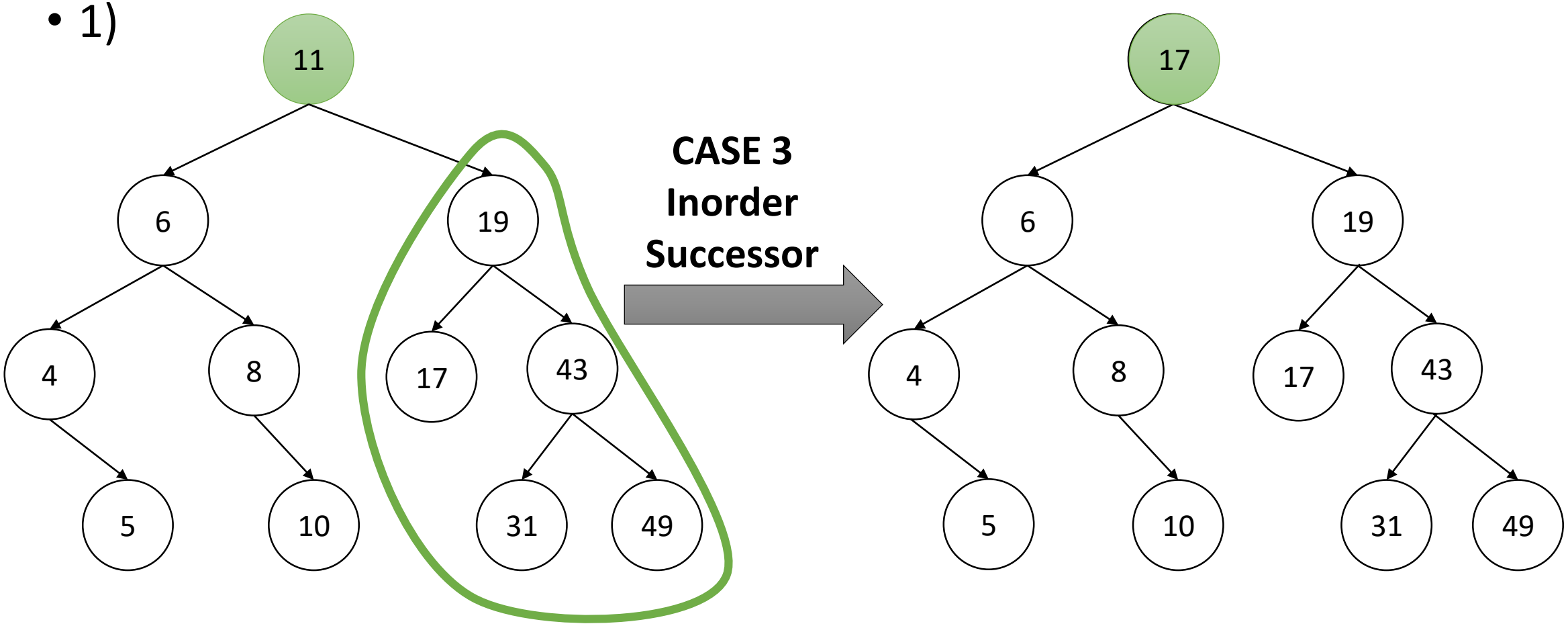
Example

- 1)


11
6
19
4
8
17
43
5
10
31
49
CASE 3
Inorder
predecessor
10
6
19
4
8
17
43
5
10
31
49

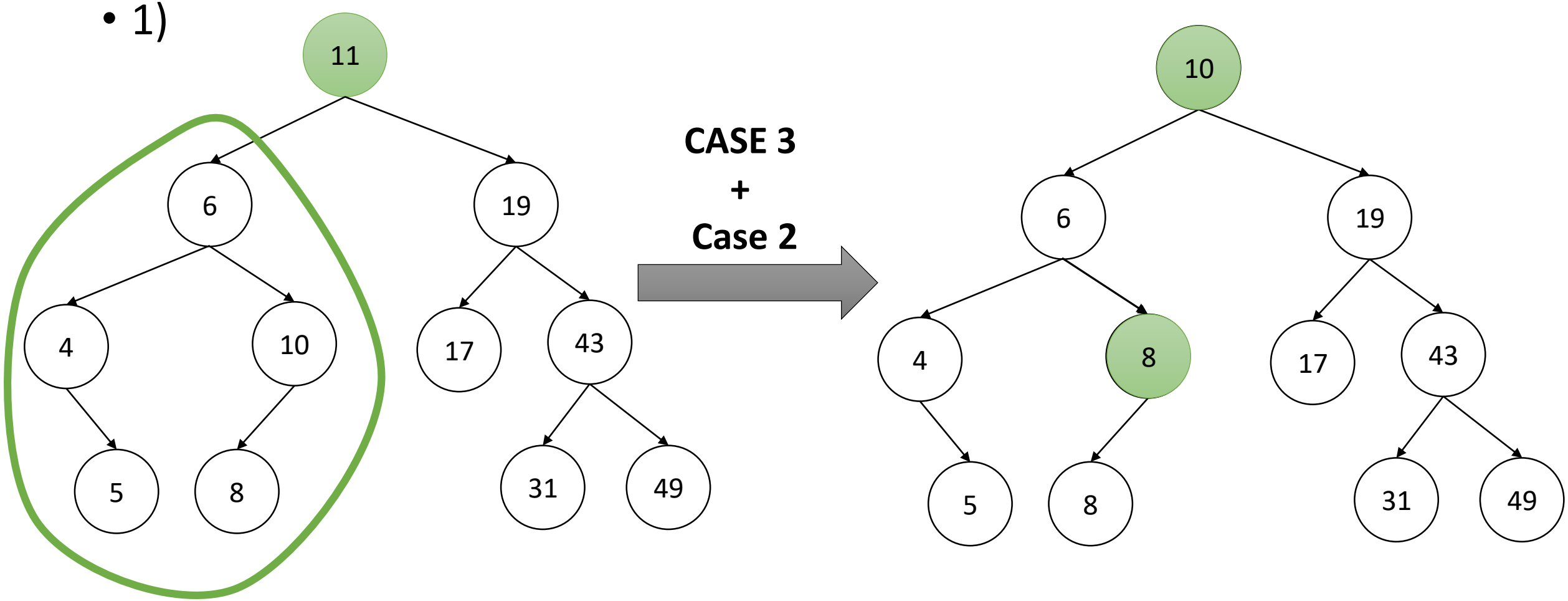
Example

- 1)


11
6
19
4
8
17
43
5
10
31
49
CASE 3
Inorder
Successor
17
6
19
4
8
17
43
5
10
31
49

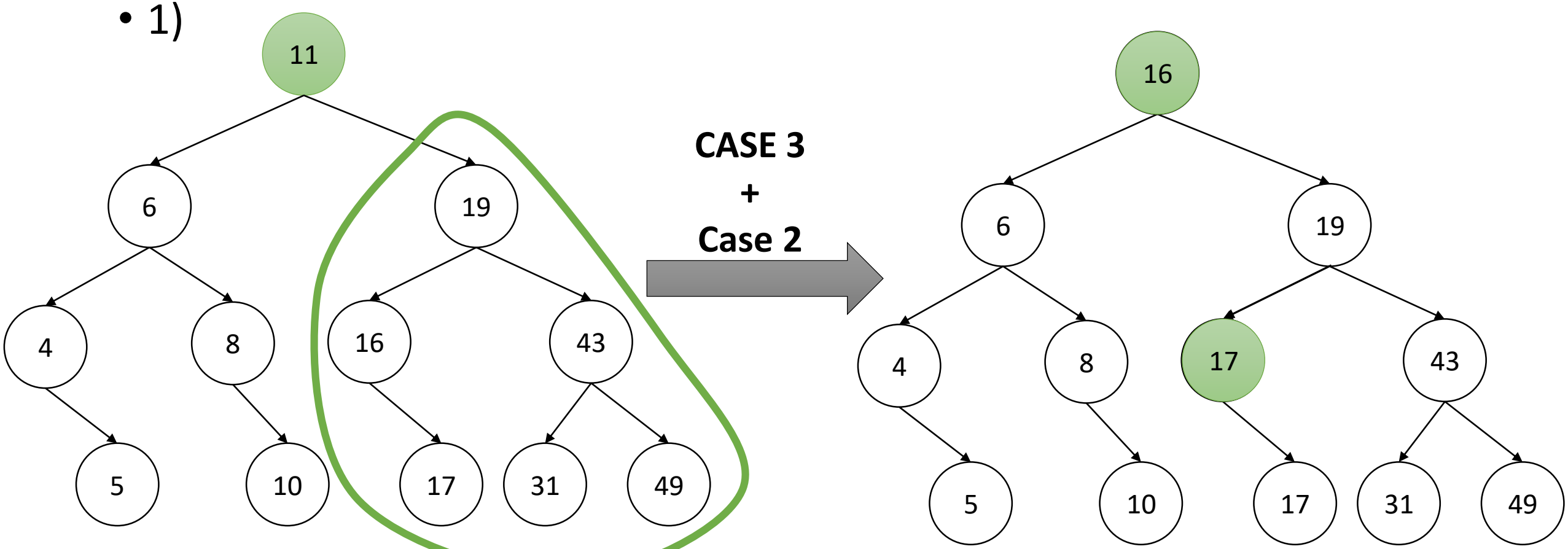
Example

- 1)



Example

- 1)


11
6
19
4
8
16
43
5
10
17
31
49
CASE 3
+
Case 2
16
6
19
4
8
17
43
5
10
17
31
49