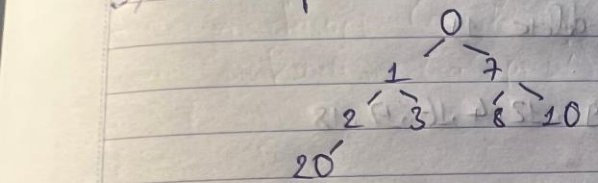
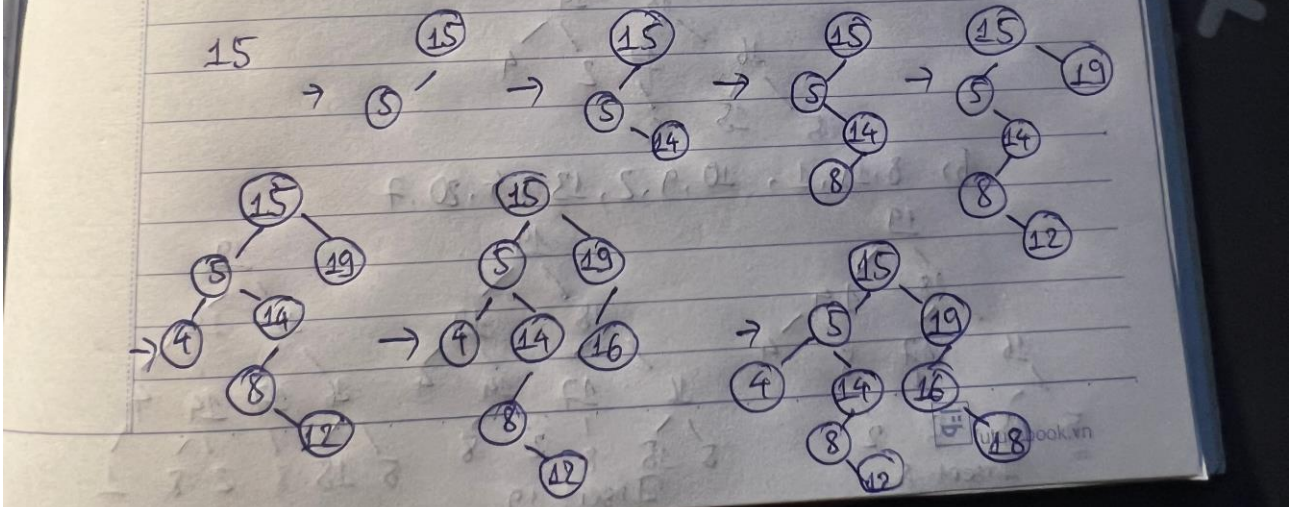
35

3) Vẽ heap tree sau khi xoá 6, 13, 35



Bài 4 15 5 14 8 19 12 4 16 17 18



TITLE:

b)

④ func Maximum_element (root)
if ((root→right) = NULL) return root;
return maximum_element (root→right)

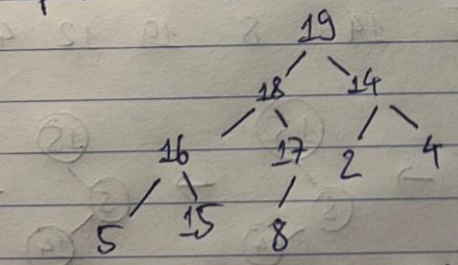
⑤ Apply to the BST above
root = 15 => root→right ≠ null
=> root = 19 => root→right == NULL => return 19

④ Func remove_max_element
if (maximum_element is leaf) => delete it
if (1 child) => move child up and delete it
if (2 child) => { find the { max_element of left_sub_tree / min_element of right_sub_tree
exchange with the max element
delete it

⑤ Apply to the BST above
swap (19 ⇔ 18) => delete 19

5) 15, 5, 14, 8, 19, 12, 4, 16, 17, 18

a) Heap tree



b) 8, 19, 1, 10, 9, 2, 13, 4, 20, 7