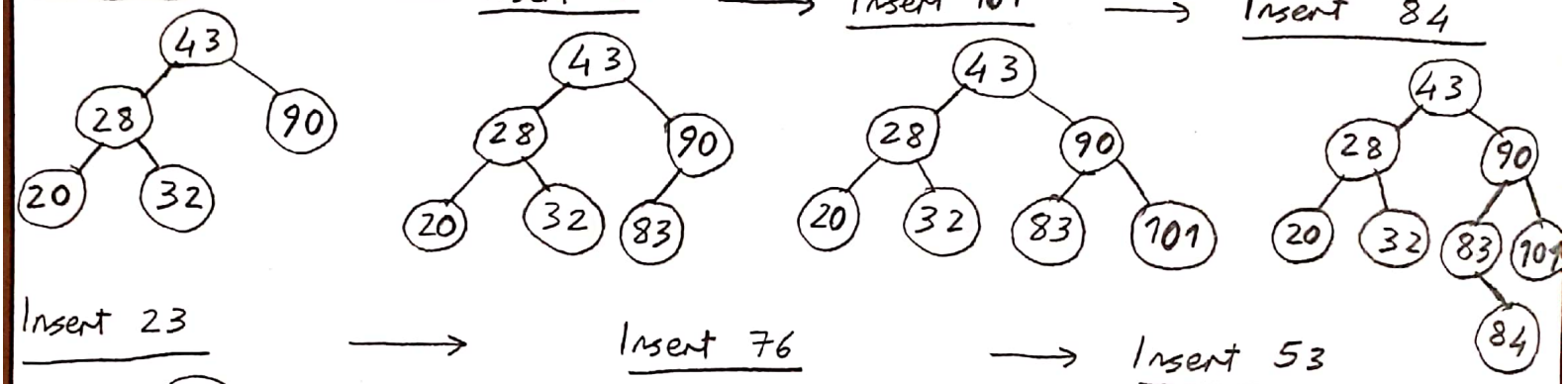
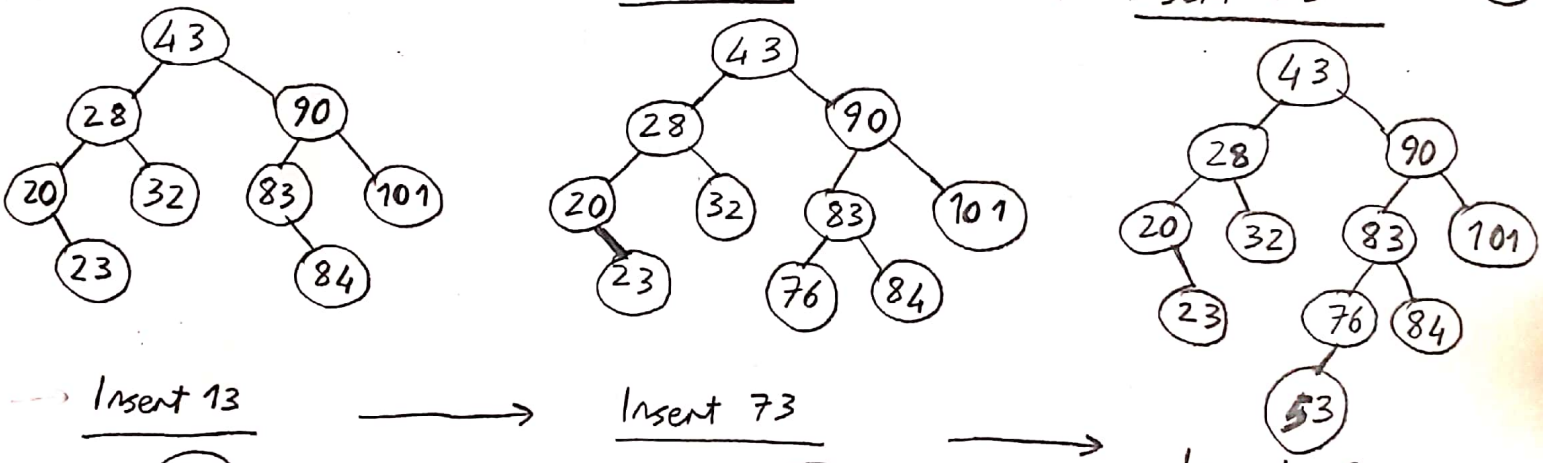
Question 2 (Initially tree is empty)

Insert 43 → Insert 28 → Insert 32 → Insert 20

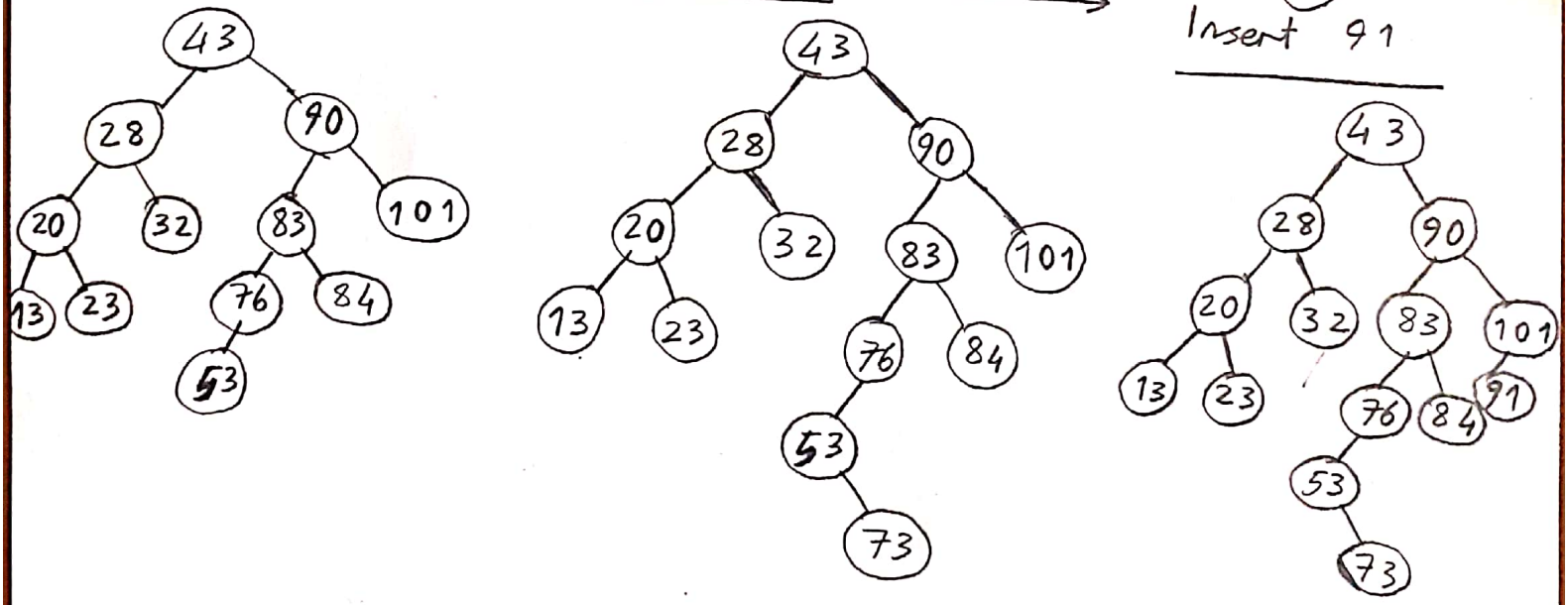
Insert 90 → Insert 83 → Insert 101 → Insert 84



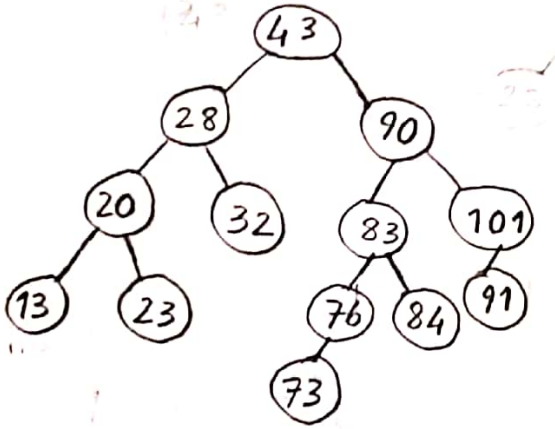
Insert 23 → Insert 76 → Insert 53



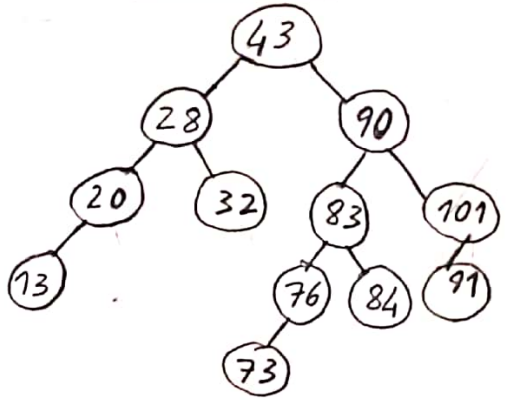
Insert 13 → Insert 73 → Insert 91



Delete 53 (One right child) ⟶ Delete 23 (No child)

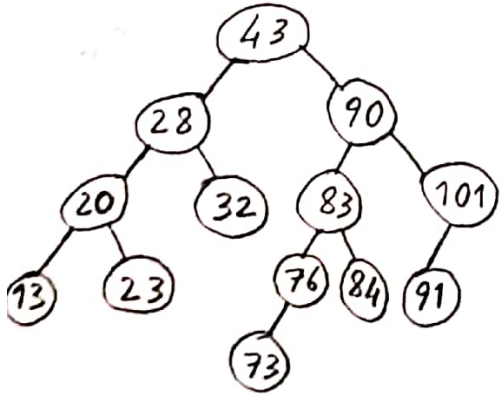


53 has only one right child (73).
73 replaces 53.

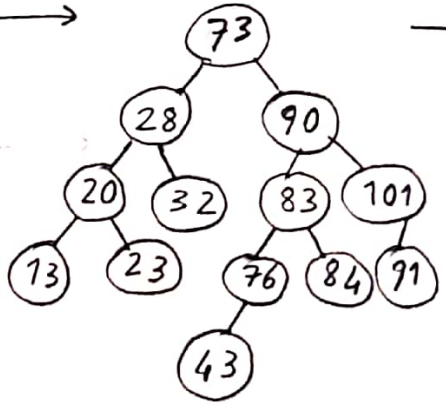


23 has no child (leaf).
No replacement needed.

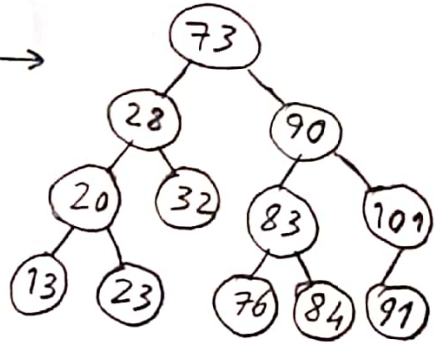
Delete 43 (Two child)



43 has two children.
Inorder successor = 73



73 replaces 43.



43 is deleted.