Homework 3: Draw the BST trees after each of the following numbers are inserted (in order) to an empty tree. Draw the tree after each number is inserted.

100, 10, 60, 500, 300, 70, 1000, 600, 700

After all of the numbers are insert, you delete the following numbers in order. Draw the tree after each deletion. In the deletion, you should select the smallest of the right child to replace the deleted data when necessary.

500, 10, 100

Answer:

100

BST tree after insert 100:

100

BST tree after insert 10:

10

Your task: continue drawing the trees for inserting 60, 500, 300, 70, 1000, 600, 700, and then for deleting 500, 10, 100