Question:

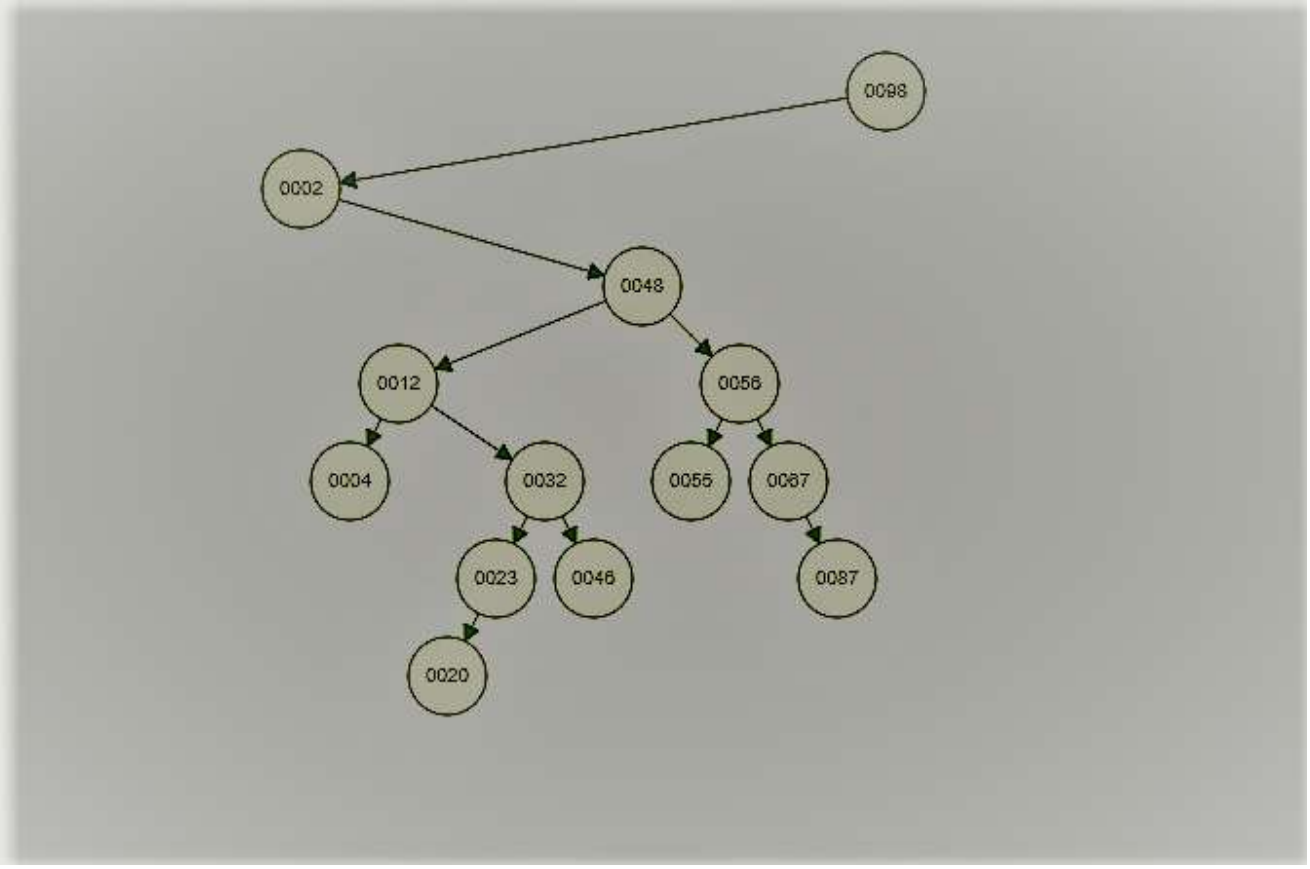
Create a binary search tree with the input given below: 98, 2, 48, 12, 56, 32, 4, 67, 23, 87, 23, 55, 46

(a) Insert 21, 39, 45, 54, and 63 into the tree

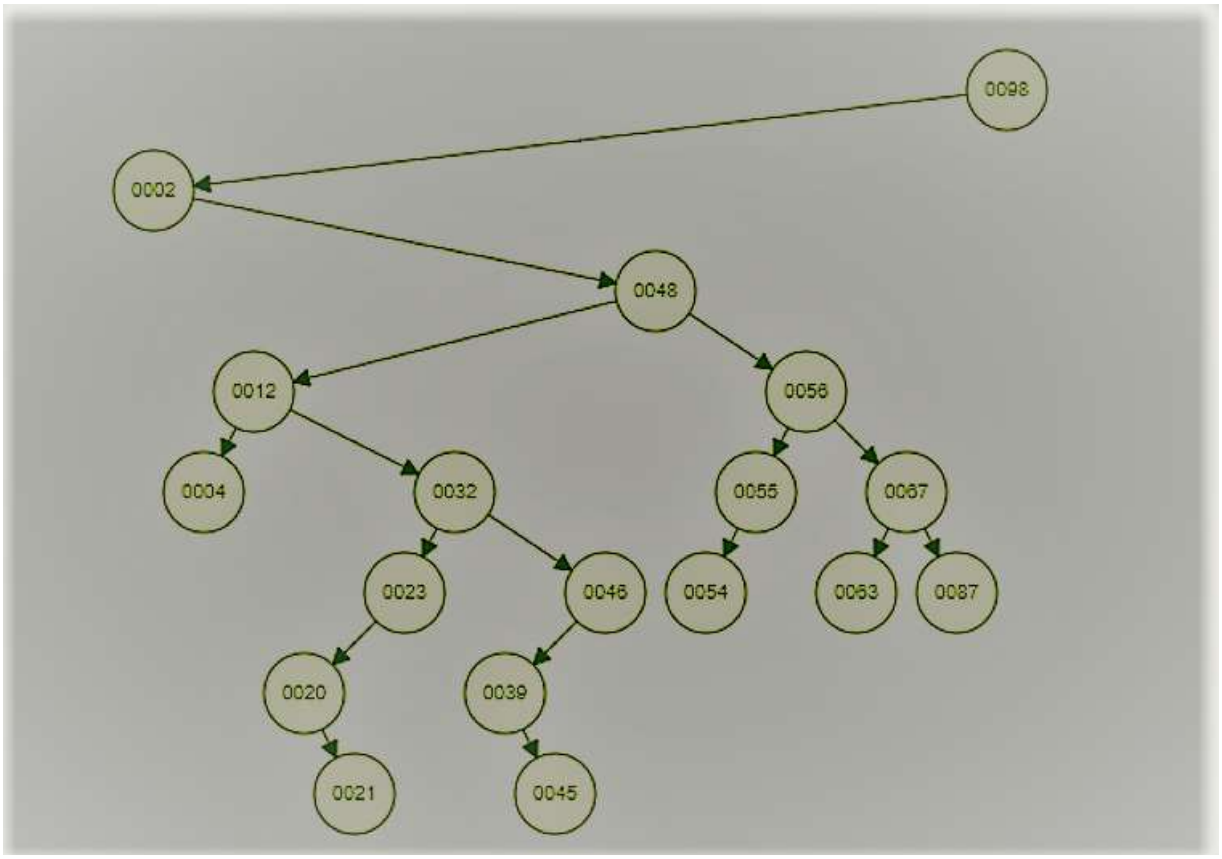
(b) Delete values 23, 56, 2, and 45 from the tree

SOLUTION:

The tree formed after inserting the node 98,2,48,12,56,32,4,67,23,87,20,55,46



(a)The tree after inserting the nodes 21,39,45,54, and 63 is shown below :



(b)The resultant tree after deleting the node 23,56,2,45 is :