**Report For Binary Search Tree**

09019204

曹邹颖

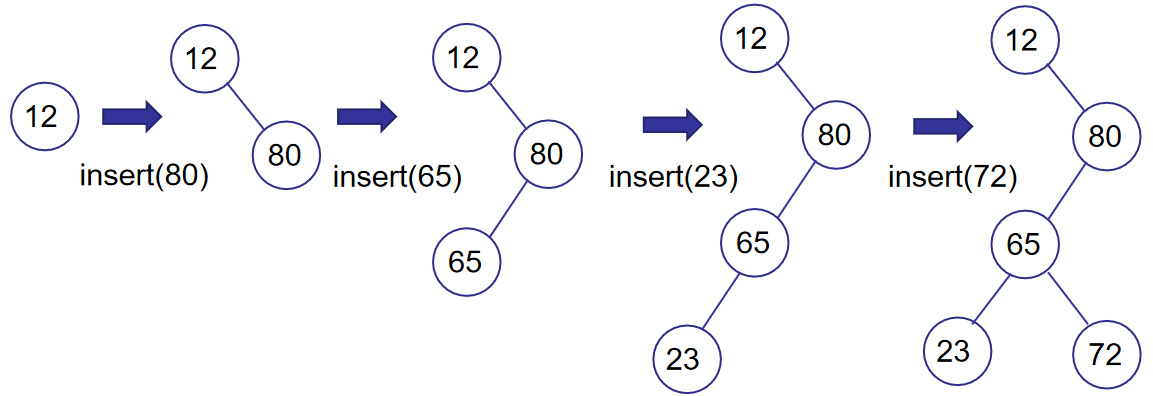
1. **Problem description / demand analysis问题描述**
2. Insert the following elements in a Binary Search Tree in the given order and draw the tree

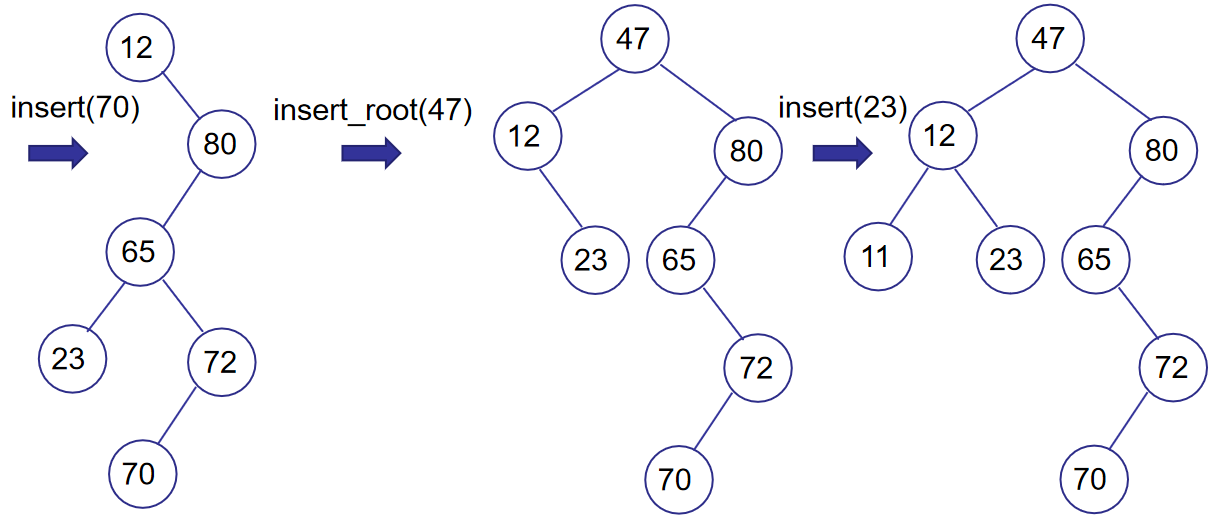
12, 80, 65, 23, 72, 70, insert\_root(47), 11, 87, 61, 54, 19, 44, 3, 27

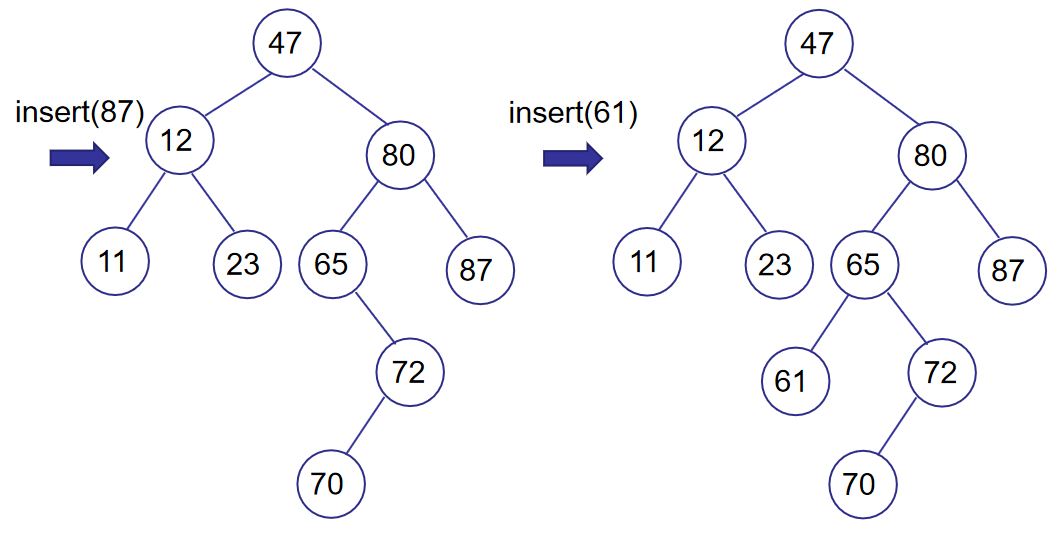
1. What is the height of the constructed tree?
2. What is the average time (average path from the root) for accessing each element of the tree?
3. **Results and analysis结果和分析**

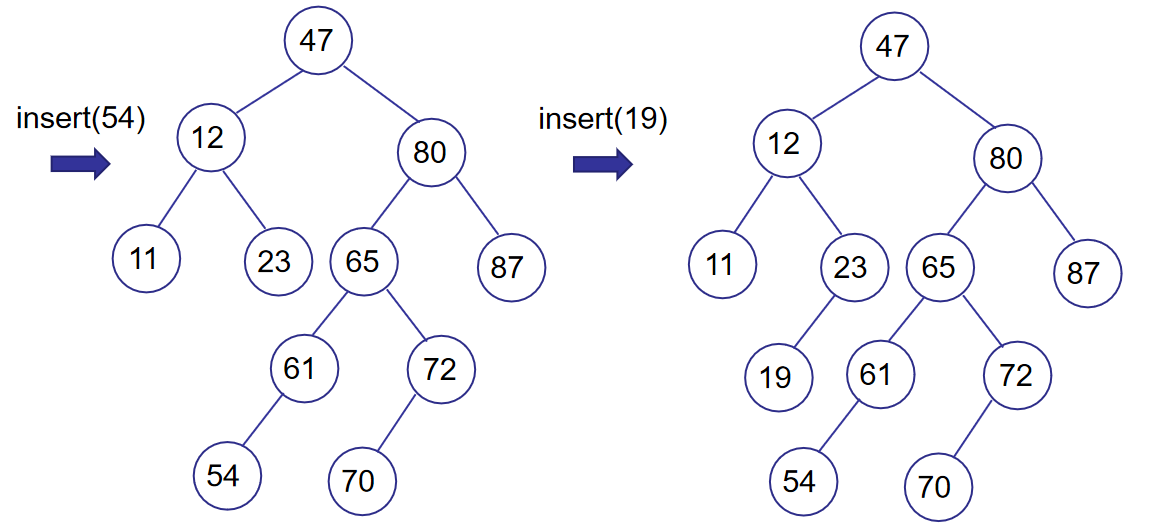
解：

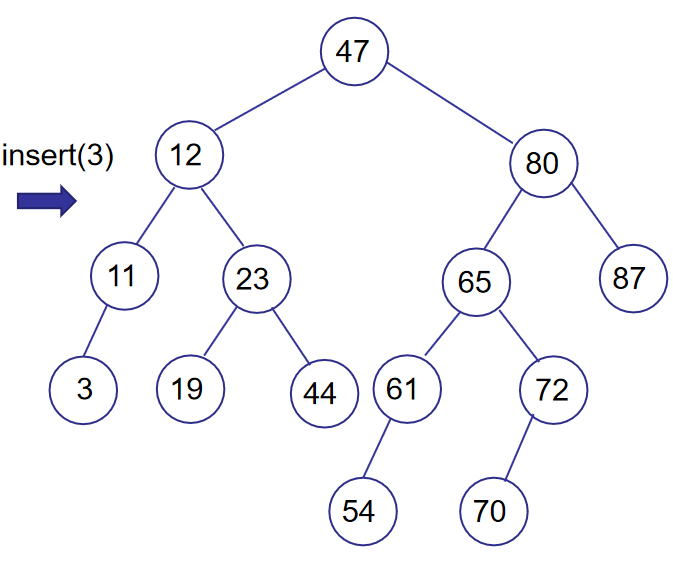
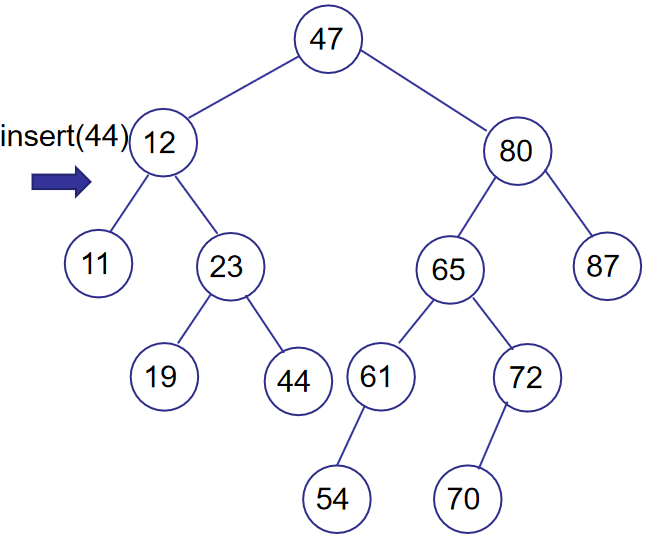
1)

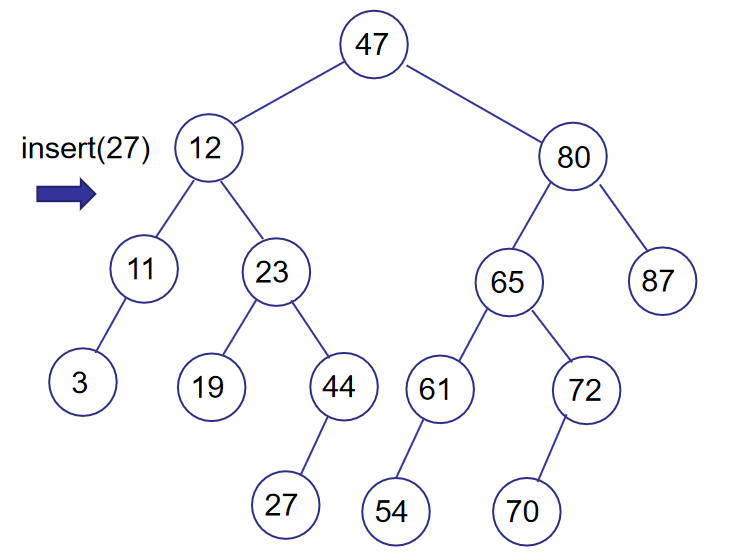












1. The height of the constructed tree is: 5
2. The average time (average path from the root) for accessing each element of the tree is: