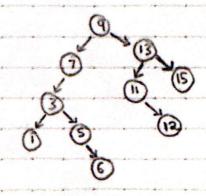
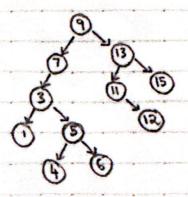


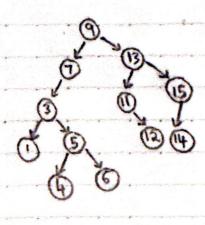
bst [12] = None



bsecy = None



bst [14] = None



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QRc. In section (a), you insert to the same path each time, meaning the first insert would be moving 0 elements, the second element moving I element and the nth insert, moving n-I elements.

: summation is 0+2+2+3+..+n-2= n(n-1) = 0(n2)

In section (b), the list is split in half each time and an element is inserted in the tree. We know that insertion is O(h)

: summation is (logn+...+logn) + (h)

n times

=n(logn)+h

= O(nlogn) + O(h) = O(nlogn)