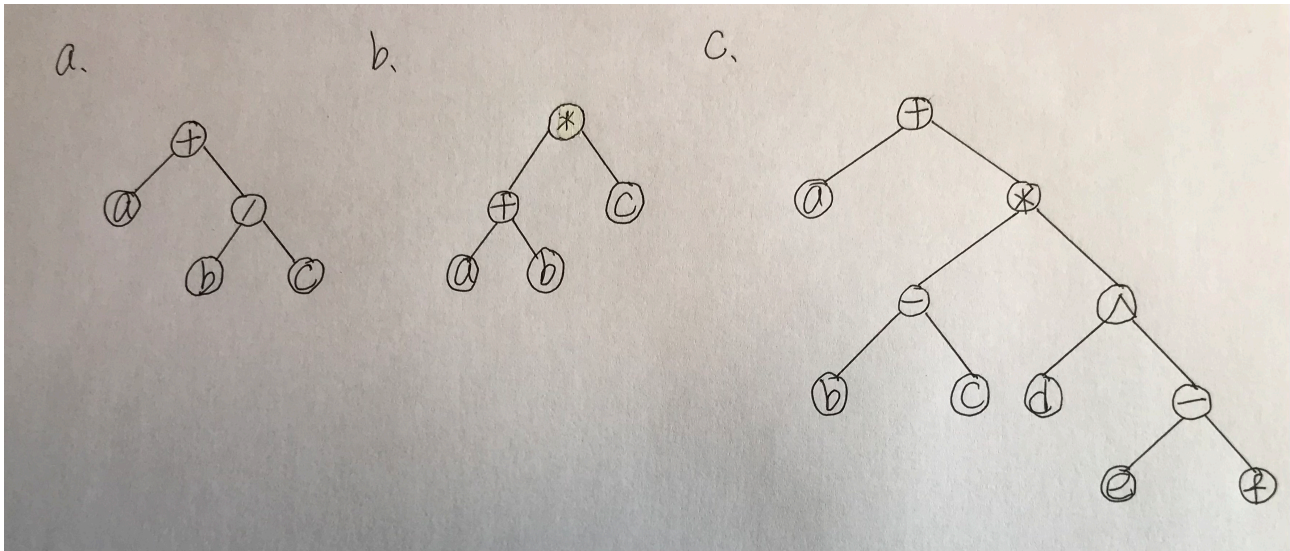


Question 1 sol:



Question 2 sol:

- The tree's root is M.
- The only parent of G and T is M.
- The children of node G are D and K.
- The sibling of node T is G.
- The ancestors of U are M, T, R and V.
- There are no descendants of A.
- A, H, L, U and W are leaves.

Question 3 sol:

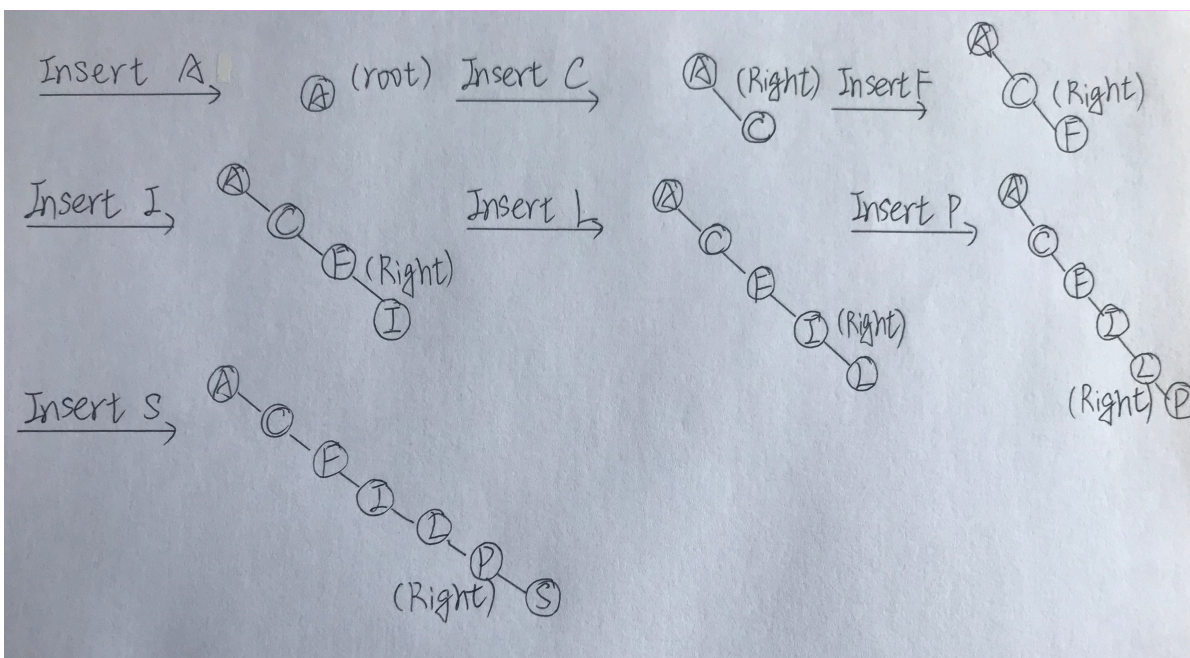
preorder : M G D A H K L T R V U W

inorder : A D H G K L M R U V T W

postorder : A H D L K G U V R W T M

Question 4 sol:

Method 1 (simple insertion [set the first node as the root of the binary search tree])



Method 2 (optimized insertion [ensure the height of the BST to be the minimum height])

