1. What is the minimum height of a binary tree with 511 nodes?

2. In a full binary tree, if the number of leaves is 16K nodes. Find:
   - The total search cost in that tree.
   - The total number of nodes in the tree.
   - The number of branches and the number of internal nodes.

3. The number of nodes with two children in a full binary tree is 31. What is the number of leaves in the tree?
   - What is the height of a full binary tree having 4095 internal nodes?

4. Traverse the shown tree in:
   - Inorder Traversal
   - Preorder Traversal
   - Postorder Traversal

5. Consider a Binary Tree (not a BST) which when traversed in postorder and inorder produces the sequences: D B E H G F C A and B D A E C H G F respectively. Construct the tree.