CS 372

Linear Tree to Abstract
Binary Tree

You are to construct a binary tree (nodes with pointers to left/right child nodes) from two different tree traversals shown below. There are two trees to build. This is a written homework exercise and not to be programmed.
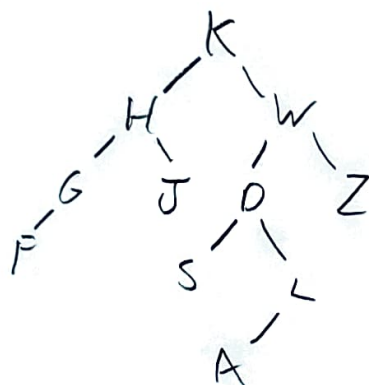
Tree #1: Given the following two traversals of the same tree, show what the tree would look like.

inorder traversal: G F H J K S D L A W Z
preorder traversal: K H G F J W D S L A Z

Tree #2: Same instructions

inorder traversal: A O S F Z J L G K
postorder traversal: O F S A J G K L Z (note: this is not preorder)

#1

#2