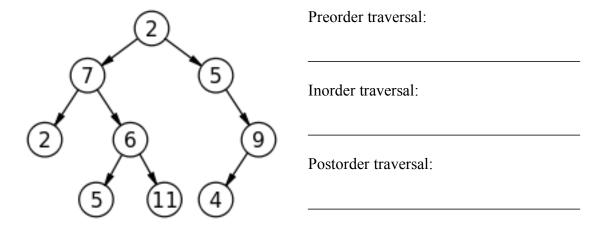
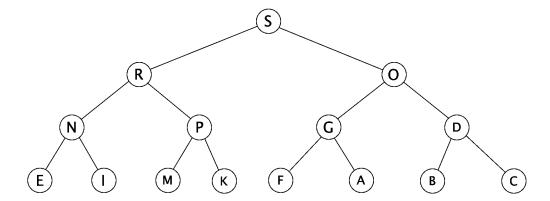
CMPE 242 – Hands-on Activity 10 Spring 2021

1. (20 points) Write the sequence of the nodes visited, during preorder, inorder, and postorder traversal of the tree.



2. Insert the key L to the max-heap below. Show the resulting heap.



3.	Write a <u>Java method</u> for a linear-time certification algorithm to check whether an input integer array $pq[]$ represents a min-oriented heap. The method should take the integer array $pq[]$ and its size as input, and return a boolean value with the answer. (Assume that $pq[0]$ is unused and the root is at $pq[1]$, the same as in our textbook.)
	First, describe your general approach in 1-2 sentences.

Then, write the Java method below.

public static boolean isMinHeap(int[] pq, int size)