(1) Create a BST by inserting the following values in this order: **R, U, A, T, W, P, I  
For each node, be sure to represent value of its N attribute.**

(2) When “reading” the letters from left to right in any level of a BST, do they always appear in ascending order? Provide counter-example or explain why.

(3) Time analysis of recursive functions

**public** Key min() { **return** min(root).key; }

**private** Node min (Node parent) {

**if** (parent.left == **null**) { **return** parent; }

**return** min(parent.left);

}

**public** Key nonRecursiveMin() {

Node n = root;

**while** (n.left != **null**) {

n = n.left;

}

**return** n.key;

}

(4) Given initial tree you created above, what is **floor(R)**?

(5) Given initial tree you created above, what is **floor(S)**?

(6) What is resulting BST after calling **deleteMin**()?

(7) What is result of preorder traversal of BST created above?