

Name:.....

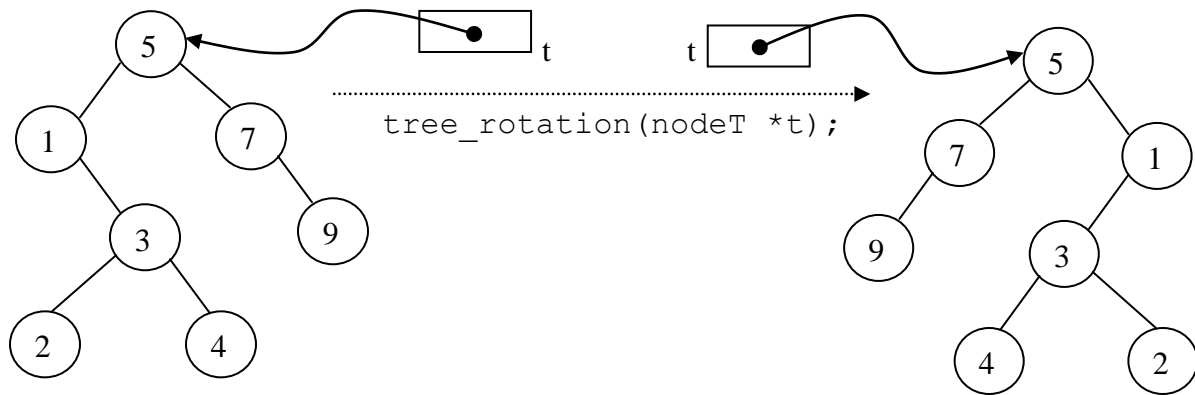
Q15

CS2123 Data Structures

Q1. (10pt) Suppose we defined the following node structure, and created a BST pointed by **t**.

```
typedef struct node {  
    int key;  
    struct node *left, *right;  
} nodeT, *treeT;
```

You are asked to write a function `void tree_rotation(nodeT *t)` that rotates the tree about vertical axis. That is, exchange the left and right children for each node as shown in the below example.



```
void tree_rotation(nodeT *t)  
{
```