:  Choose any 2 of the 3 problems.


1) Rewrite    ( ,  ,  ,  )        (0, 3, 4, 8, 10, 11)

Choose any 2 of the 3 problems.


1) Given a possibly empty binary tree, write a function that returns the number of nodes in the tree that have a right child, but no left child. The prototype for your function is

```
  int RightNoLeft(TreeNode *ptr).
```
Global variables may not be used. No additional functions may be defined. Declare all data structures.

2) Given an array of n nonzero real numbers a[0]…a[n-1], write a function to partition the array (not sort) so that all its negative elements come before all its positive elements. Your algorithm should have O(n) time complexity. The function prototype is

```
  void negpospartition(float a[], int n) .
```

3) Count the precise number of "fundamental/basic operations" executed in the following code.
Your answer should    (e)4(e)4( f)33e0.002 T varia ae fe0.002 T (as)-nli4DC   -0.004papeTc   ( ) Tj   ent D(e)4(

# Theory Exam