```
3.1 6%(①~④ 1%, ⑤2%)
          ① n==1
          2 return 0
          ③ n==2
          4 return 1
          ⑤ return (n-1)*(fun(n-1)+fun(n-2))
3.2
    A.6% (each line 1.5%)
            if L[i]<L[i+1]:</pre>
                  temp=L[i]
L[i]=L[i+1]
                  L[i+1]=temp
    B.0 (n^2) 4\%
3.3
      A. Print out the elements of all nodes on the tree(or subtree) with root being t
          based on depth first principle.
      B. 3%
           8
          3125231
       C. (1)D[x]=D.get(x,0)+1
          ②L.append((x,D[x]))
          ③DFSearch(t.left,e,x+1,D,L)
          (4) DFSearch(t.right,e,x+1,D,L) 8% (each point 2%)
```