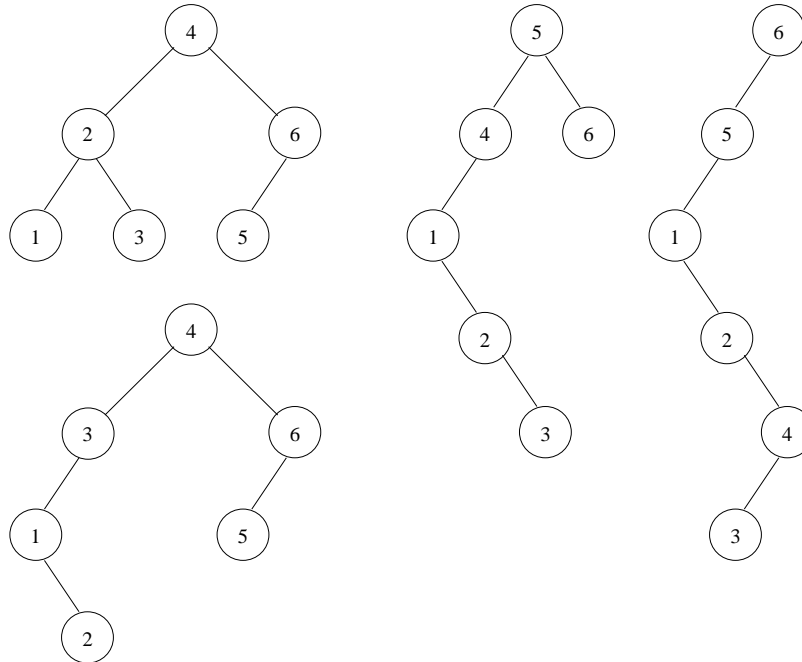


Algorithms: Solutions 6

Problem 1

Draw six-node binary search trees with heights two, three, four, and five.



Problem 2

Give a nonrecursive version of INORDER-TREE-WALK.

```
ITERATIVE-TREE-WALK( $T$ )  
 $x \leftarrow \text{TREE-MINIMUM}(\text{root}[T])$   
while  $x \neq \text{NIL}$   
  do print  $\text{key}[x]$   
   $x \leftarrow \text{TREE-SUCCESSOR}(x)$ 
```