

10.4-2.

Write an $O(n)$ -time recursive procedure that, given an n -node binary tree, prints out the key of each node in the tree.

Answer.

```
PRINT-BINARY-TREE-NODES( $T$ )
1   $x = T.root$ 
2  if  $x \neq \text{NIL}$ 
3      print  $x.key$ 
4      PRINT-BINARY-TREE-NODES( $x.left$ )
5      PRINT-BINARY-TREE-NODES( $x.right$ )
```

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