```
g: 200

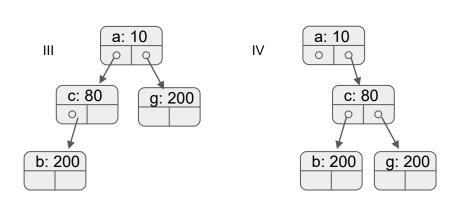
g: 200

g: 200

g: 200

g: 200
```

```
Node<String, Integer> node1 =
   new Node<>("a", 10,
new Node<>("c", 80,
        new Node<>("b", 200, null, null),
         new Node<>("g", 200, null, null)),
      null);
Node<String, Integer> node2 =
   new Node<>("a", 10,
      new Node<>("c", 80,
        new Node<>("b", 200, null, null), new Node<>("g", 200, null, null)));
Node<String, Integer> node3 =
   new Node<>("a", 10,
      new Node<>("c", 80,
        new Node<>("b", 200, null, null),
      new Node<>("g", 200, null, null));
// Fill in the definition for the missing one
Node<String, Integer> node4 =
```



Which tree on the right is NOT represented by one of node1, node2, node3?

A: I C: III

B: I I D: I V

E. More than one of them is not represented

```
class Tree<K, V> {
  Node<K, V> root;
  Tree() { this.root = null; }
  Tree(Node<K, V> root) { this.root = root; }

int count Nodes(Node<K, V> node) {

}

v get(Node<K, V> node, K key) {

}

V get(Node<K, V> node, K key) {

}

V get(K key) {

}
```

Definition: A **binary search tree (BST)** is a tree where at **every** node, all keys to the **left** of that node are **smaller** than that key, and all keys to the **right** are larger.

Which tree on the front is a binary search tree?

A: I B: II C: III D: IV
E: More than one of them is a BST

```
class BST<K,V> {
   Node<K,V> root;
   BST() { this.root = null; }
BST(Node<K,V> root) { this.root = root; }
   V get(K key) {
   }
   void set(K key) {
   }
}
```