

**Algorithm Design**  
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**Solution of Exercise C-2.11**

One way to do this is the following: in the *external* method, set height and balance to be zero. Then, alter the *right* method as follows:

```
Algorithm right():  
  if visInternal(v) then  
    if v.leftchild.height > v.rightchild.height then  
      v.height = v.leftchild.height + 1;  
    else  
      v.height = v.rightchild.height + 1;  
      v.balance = absval(v.rightchild.height - v.leftchild.height);  
  printBalanceFactor(v)
```