

```
1 public CombiningTree(int width) {  
2     Node[] nodes = new Node[2 * width - 1];  
3     nodes[0] = new Node();  
4     for (int i = 1; i < nodes.length; i++) {  
5         nodes[i] = new Node(nodes[(i-1)/2]);  
6     }  
7     leaf = new Node[width];  
8     for (int i = 0; i < leaf.length; i++) {  
9         leaf[i] = nodes[nodes.length - i - 1];  
10    }  
11 }
```

FIGURE 12.2 The CombiningTree class: constructor.