

```
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.