

```
35     synchronized int combine(int combined) {  
36         while (locked) wait();  
37         locked = true;  
38         firstValue = combined;  
39         switch (cStatus) {  
40             case FIRST:  
41                 return firstValue;  
42             case SECOND:  
43                 return firstValue + secondValue;  
44             default:  
45                 throw new PanicException("unexpected Node state " + cStatus);  
46         }  
47     }
```

**FIGURE 12.6** The Node class: the combining phase. This method applies addition to firstValue and secondValue, but any other commutative operation would work just as well.