

```
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.