

```

35     public T deq() throws EmptyException {
36         while (true) {
37             Node first = head.get();
38             Node last = tail.get();
39             Node next = first.next.get();
40             if (first == head.get()) {
41                 if (first == last) {
42                     if (next == null) {
43                         throw new EmptyException();
44                     }
45                     tail.compareAndSet(last, next);
46                 } else {
47                     T value = next.value;
48                     if (head.compareAndSet(first, next))
49                         return value;
50                 }
51             }
52         }
53     }

```

FIGURE 10.12 The LockFreeQueue<T> class: the deq() method.