```
1  public boolean add(T x) {
2    if (contains(x)) {
3      return false;
4    }
5    for (int i = 0; i < LIMIT; i++) {
6      if ((x = swap(0, hash0(x), x)) == null) {
7        return true;
8      } else if ((x = swap(1, hash1(x), x)) == null) {
9        return true;
10     }
11   }
12   resize();
13   add(x);
14 }
```

**FIGURE 13.21** Sequential cuckoo hashing: the add() method.