



FIGURE 9.8 The FineList class: why `remove()` must acquire two locks. Thread *A* is about to remove *a*, the first node in the list, while thread *B* is about to remove *b*, where *a* points to *b*. Suppose *A* locks **head**, and *B* locks *a*. Thread *A* then sets **head.next** to *b*, while *B* sets *a*'s next field to *c*. The net effect is to remove *a*, but not *b*.