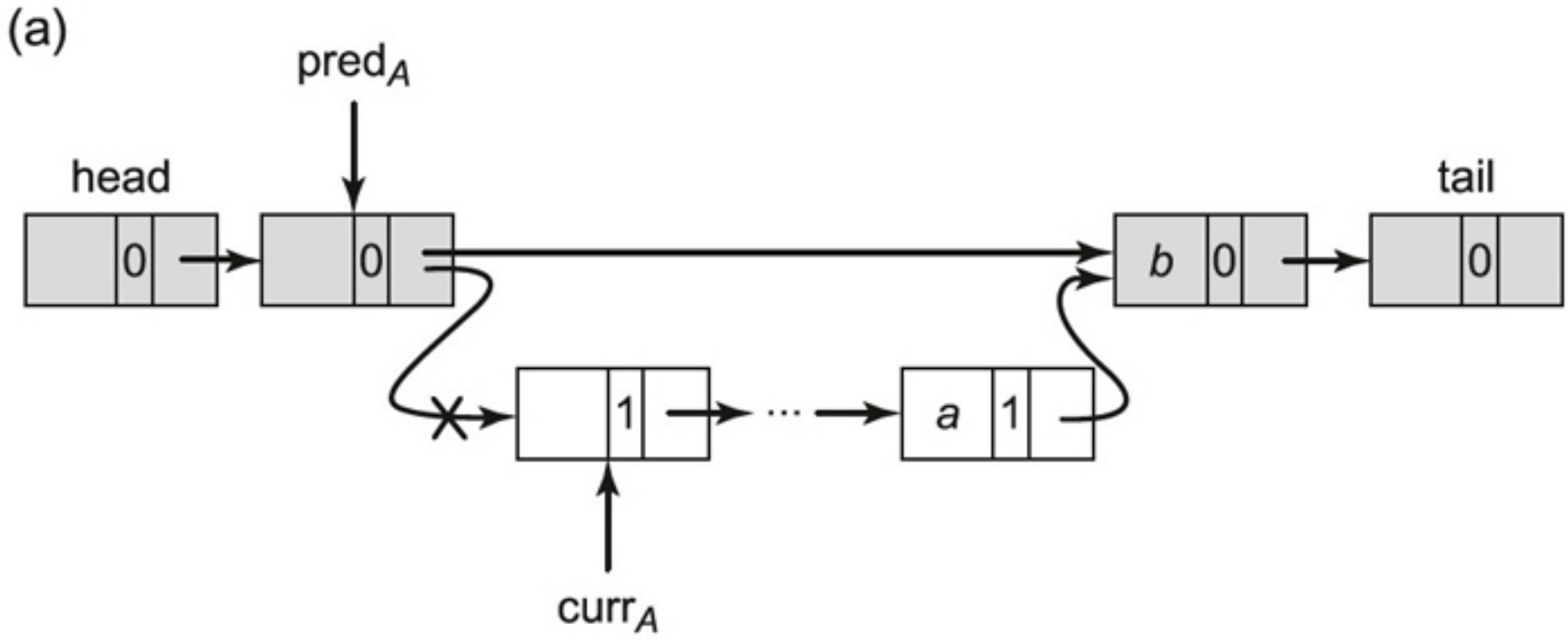

FIGURE 9.20A The LazyList class: linearizing an unsuccessful contains() call. Dark nodes are physically in the list and white nodes are physically removed. In part (a), while thread *A* is traversing the list, another thread disconnects the sublist referred to by curr$_A$. We can linearize *A*'s call at the point it sees that *a* is marked and is no longer in the abstract set. However, in part (b), while *A* is traversing the removed part of the list leading to the marked node *a*, another thread adds a new node with key *a*. It would be wrong to linearize *A*'s unsuccessful contains*(a)* call to when it found the marked node *a*, since this point occurs *after* the insertion of the new node with key *a* to the list.