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TUTORIAL

not subject to deadlock.

both add() and remove() methods acquire node locks in one-after the other order (max. 2 at a time). hence, no deadlock, if however the add() and remove() acquired locks in different order, there could be deadlocks

me are not subject to deadlock.

A optimistic list delays the acquiring of locks until it binds the 2 nodes (adjacent) it wants to work with. Then it locks them, and verifies that they are still part of the list. Since it still aquires the 2 locks in one-after-other order, there is no deadlock.

lazy list is very similar, except it has another "marked" field to indicate nodes marked for removal acquiring of locks is again in one-after-other order hence, no deadlock.