[Cassandra-2773](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-2773&sa=D&source=editors&ust=1751363456616878&usg=AOvVaw2-MvhDcKgCbo8B_49e4vWW)

Index manager cannot support deleting and inserting into a row in the same mutation

(1)  Log information

Settings: I use hector 0.8.0-1 and cassandra 0.8.

1. create mutator by using hector api,

2. Insert a few columns into the mutator for key "key1", cf "standard".

3. add a deletion to the mutator to delete the record of "key1", cf "standard".

4. repeat 2 and 3

5. execute the mutator.

The result: the connection seems to be held by the sever forever, it never returns. when I tried to restart the cassandra I saw unsupportedexception: "Index manager cannot support deleting and inserting into a row in the same mutation, and the cassandra is dead forever, unless I delete the commitlog.” (Hang)

I would expect to get an exception when I execute the mutator, not after I restart the cassandra.

INFO 17:20:39,318 reading saved cache /var/lib/cassandra/saved\_caches/SOCommContent\_S1-AgentPropsMirror-KeyCache

INFO 17:20:39,509 reading saved cache /var/lib/cassandra/saved\_caches/SOCommContent\_S1-AgentProps-KeyCache

INFO 17:20:39,510 Opening /var/lib/cassandra/data/SOCommContent\_S1/AgentProps-f-7

INFO 17:20:39,511 Opening /var/lib/cassandra/data/SOCommContent\_S1/AgentProps-f-6

INFO 17:20:39,511 Opening /var/lib/cassandra/data/SOCommContent\_S1/AgentProps-f-5

INFO 17:20:39,522 Creating new commitlog segment /var/lib/cassandra/commitlog/CommitLog-1308864039522.log

INFO 17:20:39,530 Replaying /var/lib/cassandra/commitlog/CommitLog-1308164298316.log, /var/lib/cassandra/commitlog/CommitLog-1308632419965.log, /var/lib/cassandra/commitlog/CommitLog-1308841938215.log, /var/lib/cassandra/commitlog/CommitLog-1308856663370.log, /var/lib/cassandra/commitlog/CommitLog-1308864021483.log

INFO 17:20:41,190 Finished reading /var/lib/cassandra/commitlog/CommitLog-1308164298316.log

INFO 17:20:41,343 Finished reading /var/lib/cassandra/commitlog/CommitLog-1308632419965.log

ERROR 17:20:41,385 Fatal exception in thread Thread[MutationStage:5,5,main]

java.lang.RuntimeException: java.lang.UnsupportedOperationException: Index manager cannot support deleting and inserting into a row in the same mutation

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:34)

                      at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:441)

                      at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:303)

                      at java.util.concurrent.FutureTask.run(FutureTask.java:138)

                      at java.util.concurrent.ThreadPoolExecutor$Worker.runTask(ThreadPoolExecutor.java:886)

                      at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:908)

                      at java.lang.Thread.run(Thread.java:619)

Caused by: java.lang.UnsupportedOperationException: Index manager cannot support deleting and inserting into a row in the same mutation

                      at org.apache.cassandra.db.Table.ignoreObsoleteMutations(Table.java:431)

                      at org.apache.cassandra.db.Table.apply(Table.java:387)

                      at org.apache.cassandra.db.commitlog.CommitLog$2.runMayThrow(CommitLog.java:300)

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:30)

                      ... 6 more

ERROR 17:20:41,389 Fatal exception in thread Thread[MutationStage:58,5,main]

java.lang.RuntimeException: java.lang.UnsupportedOperationException: Index manager cannot support deleting and inserting into a row in the same mutation

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:34)

                      at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:441)

                      at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:303)

                      at java.util.concurrent.FutureTask.run(FutureTask.java:138)

                      at java.util.concurrent.ThreadPoolExecutor$Worker.runTask(ThreadPoolExecutor.java:886)

                      at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:908)

                      at java.lang.Thread.run(Thread.java:619)

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                      at org.apache.cassandra.db.commitlog.CommitLog$2.runMayThrow(CommitLog.java:300)

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:30)

                      ... 6 more

this ERROR will repeat...