[Cassandra-4675](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-4675&sa=D&source=editors&ust=1751363612316349&usg=AOvVaw2q09gSC1kQEucO4xn7I_vu)

NPE in NTS when using LQ against a node (DC) that doesn't have replica

**(1)  Log information**

In a NetworkTopologyStrategy where there are 2 DC:

Address   DC    Rack   Status    State        Load            Owns    Token

85070591730234615865843651857942052864

127.0.0.1  dc1    r1           Up     Normal   115.78 KB   50.00%   0

127.0.0.2  dc2    r1           Up     Normal   129.3 KB     50.00%   85070591730234615865843651857942052864

There is a keyspeace that has replica 1 of the dc (dc1).

But if connect to a node in dc2, using LOCAL\_QUORUM, get NPE in the Cassandra node's log:

[default@unknown] consistencylevel as LOCAL\_QUORUM;

Consistency level is set to 'LOCAL\_QUORUM'.

[default@unknown] use Keyspace3;

Authenticated to keyspace: Keyspace3

[default@Keyspace3] get testcf[utf8('k1')][utf8('c1')];

Internal error processing get

org.apache.thrift.TApplicationException: Internal error processing get

at org.apache.thrift.TApplicationException.read(TApplicationException.java:108)

at org.apache.cassandra.thrift.Cassandra$Client.recv\_get(Cassandra.java:511)

at org.apache.cassandra.thrift.Cassandra$Client.get(Cassandra.java:492)

at org.apache.cassandra.cli.CliClient.executeGet(CliClient.java:648)

at org.apache.cassandra.cli.CliClient.executeCLIStatement(CliClient.java:209)

at org.apache.cassandra.cli.CliMain.processStatementInteractive(CliMain.java:220)

at org.apache.cassandra.cli.CliMain.main(CliMain.java:348)

node2's log:

ERROR [Thrift:3] 2012-09-17 18:15:16,868 Cassandra.java (line 2999) Internal error processing get

java.lang.NullPointerException

at org.apache.cassandra.locator.NetworkTopologyStrategy.getReplicationFactor(NetworkTopologyStrategy.java:142)

at org.apache.cassandra.service.DatacenterReadCallback.determineBlockFor(DatacenterReadCallback.java:90)

at org.apache.cassandra.service.ReadCallback.<init>(ReadCallback.java:67)

at org.apache.cassandra.service.DatacenterReadCallback.<init>(DatacenterReadCallback.java:63)

at org.apache.cassandra.service.StorageProxy.getReadCallback(StorageProxy.java:775)

at org.apache.cassandra.service.StorageProxy.fetchRows(StorageProxy.java:609)

at org.apache.cassandra.service.StorageProxy.read(StorageProxy.java:564)

at org.apache.cassandra.thrift.CassandraServer.readColumnFamily(CassandraServer.java:128)

at org.apache.cassandra.thrift.CassandraServer.internal\_get(CassandraServer.java:383)

at org.apache.cassandra.thrift.CassandraServer.get(CassandraServer.java:401)

at org.apache.cassandra.thrift.Cassandra$Processor$get.process(Cassandra.java:2989)

at org.apache.cassandra.thrift.Cassandra$Processor.process(Cassandra.java:2889)

at org.apache.cassandra.thrift.CustomTThreadPoolServer$WorkerProcess.run(CustomTThreadPoolServer.java:187)

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

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