#	Source		Pattern	
	Original	Modified	Original	Modified
| 8 | ```
-synchronized void enqueue(final long seqno,
    final boolean lastPacketInBlock,
    final long offsetInBlock) {
-  if (running) {
      final Packet p = new Packet(...);
      LOG.debug(...);



      ackQueue.addLast(p);
      notifyAll();
    }
  }
``` | ```
+void enqueue(final long seqno,
    final boolean lastPacketInBlock,
    final long offsetInBlock) {

      final Packet p = new Packet(...);
      LOG.debug(...);
+   synchronized (this)
+     if (running) {
         ackQueue.addLast(p);
         notifyAll();
       }
     }
   }
``` | ```
synchronized (obj)
{
   statements1
   statements2
}
``` | ```
statements1
synchronized (obj)
{
   statements2
}
``` |
| 9 | ```
-Membership membership = null;
 public boolean hasMembers() {
    if (membership == null) setupMembership();
    return membership.hasMembers();
 }
 synchronized void setupMembership() {
    if ( membership == null ) {
      membership = new Membership(
        super.getLocalMember(true));
    }
 }
``` | ```
+volatile Membership membership = null;
 public boolean hasMembers() {
    if (membership == null) setupMembership();
    return membership.hasMembers();
 }
 synchronized void setupMembership() {
    if ( membership == null ) {
      membership = new Membership(
        super.getLocalMember(true));
    }
 }
``` | `T foo;` | `volatile T foo;` |
| 10 | ```
-private volatile int requestCount;

-private volatile int errorCount;


-   requestCount++;
``` | ```
+private final AtomicInteger requestCount =
+   new AtomicInteger(0);
+private final AtomicInteger errorCount =
+   new AtomicInteger(0);

+   requestCount.incrementAndGet();
``` | `volatile T foo;` | `TT foo;` |