```
LINENUMBER 3320 L0
                                                                 LDC "74c4279f-0383-4168-a4d7-532cf0242e40"
                                                                 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                 INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getDatabase ()Lcom/sleepycat/je/dbi/DatabaseImpl;
                                                                 ASTORE 3
                                                                 LINENUMBER 3321 L1
                                                                 ALOAD 0
                                                                 INVOKEVIRTUAL com/sleepycat/je/dbi/CursorImpl$LockStanding.recordExists ()Z
                                                                                     ICONST_1
                                                                                                   FRAME APPEND [com/sleepycat/je/dbi/DatabaseImpl]
                                                                                     GOTO L3
                                                                                                    ICONST_0
                                                                   L3
                                                                   FRAME SAME1 I
                                                                   ISTORE 4
                                                                   LINENUMBER 3322 L4
                                                                   ACONST_NULL
                                                                   ASTORE 5
                                                                   LINENUMBER 3323 L5
                                                                   ACONST_NULL
                                                                   ASTORE 6
                                                                   L6
                                                                   LINENUMBER 3324 L6
                                                                   GETSTATIC com/sleepycat/je/utilint/VLSN.NULL_VLSN: Lcom/sleepycat/je/utilint/VLSN;
                                                                   INVOKEVIRTUAL com/sleepycat/je/utilint/VLSN.getSequence ()J
                                                                   LSTORE 7
                                                                   L7
                                                                   LINENUMBER 3325 L7
                                                                   ALOAD 1
                                                                   ILOAD 2
                                                                   INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getExpiration (I)I
                                                                   ISTORE 9
                                                                   L8
                                                                   LINENUMBER 3326 L8
                                                                   ALOAD 1
                                                                   INVOKEVIRTUAL com/sleepycat/je/tree/BIN.isExpirationInHours ()Z
                                                                   ISTORE 10
                                                                   LINENUMBER 3328 L9
                                                                   ALOAD 1
                                                                   ILOAD 2
                                                                   INVOKEVIRTUAL com/sleepycat/je/tree/BIN.isEmbeddedLN (I)Z
                                                                   IFEQ L10
                                                                                        L11
                                                                                        LINENUMBER 3330 L11
                                                                                        ALOAD 1
                                                                                        ILOAD 2
                                                                                        INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getData (I)[B
                                                                                        ASTORE 6
                                                                                        L12
                                                                                        LINENUMBER 3332 L12
                                                                                        ALOAD 1
                                                                                        ILOAD 2
                                                                                        ICONST_0
                                                                                        ACONST_NULL
                                                                                        INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getVLSN (IZLcom/sleepycat/je/CacheMode;)J
                                                                                        LSTORE 7
                                                                                        L13
                                                                                        LINENUMBER 3335 L13
                                                                                        ALOAD 1
                                                                                        INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getDatabase ()Lcom/sleepycat/je/dbi/DatabaseImpl;
                                                                                        INVOKEVIRTUAL com/sleepycat/je/dbi/DatabaseImpl.allowsKeyUpdates ()Z
                                                                                        IFEQ L10
                                                                                                         L14
                                                                                                         LINENUMBER 3336 L14
                                                                                                         ALOAD 1
                                                                                                         ILOAD 2
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/tree/BIN.getKey (I)[B
                                                                                                         ASTORE 5
                                       L10
                                       LINENUMBER 3340 L10
                                       FRAME FULL [com/sleepycat/je/dbi/CursorImpl$LockStanding com/sleepycat/je/tree/BIN I com/sleepycat/je/dbi/DatabaseImpl I [B [B J I I] []
                                       GETFIELD com/sleepycat/je/dbi/CursorImpl$LockStanding.lockResult : Lcom/sleepycat/je/txn/LockResult;
                                       IFNONNULL L15
                                                                                  L15
                                                                                  FRAME SAME
                                                                                  ALOAD 0
                                                              ACONST_NULL
                                                                                  GETFIELD com/sleepycat/je/dbi/CursorImpl$LockStanding.lockResult : Lcom/sleepycat/je/txn/LockResult;
                                                              GOTO L16
                                                                                  L17
                                                                                  LINENUMBER 3342 L17
                                                                                  INVOKEVIRTUAL com/sleepycat/je/txn/LockResult.getWriteLockInfo ()Lcom/sleepycat/je/txn/WriteLockInfo;
                                                                             L16
                                                                            FRAME SAME1 com/sleepycat/je/txn/WriteLockInfo
                                                                             ASTORE 11
                                                                             L18
                                                                             LINENUMBER 3343 L18
                                                                             ALOAD 11
                                                                             IFNONNULL L19
                                                                                                         LINENUMBER 3344 L20
                                                                                                         NEW com/sleepycat/je/txn/WriteLockInfo
                                                                                                         INVOKESPECIAL com/sleepycat/je/txn/WriteLockInfo.<init>()V
                                                                                                         ASTORE 11
                                                                                                         L21
                                                                                                         LINENUMBER 3345 L21
                                                                                                         ALOAD 11
                                                                                                         ALOAD 0
                                                                                                         GETFIELD\ com/sleepycat/je/dbi/CursorImpl\\$LockStanding.lsn: J\ INVOKEVIRTUAL\ com/sleepycat/je/txn/WriteLockInfo.setAbortLsn\ (J)V
                                                                                                         LINENUMBER 3346 L22
                                                                                                         ALOAD 11
L19
                                                                                                         ILOAD 4
LINENUMBER 3353 L19
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setAbortKnownDeleted (Z)V
FRAME APPEND [com/sleepycat/je/txn/WriteLockInfo]
ALOAD 0
                                                                                                         LINENUMBER 3347 L23
GETFIELD com/sleepycat/je/dbi/CursorImpl$LockStanding.lockResult: Lcom/sleepycat/je/txn/LockResult;
                                                                                                         ALOAD 11
ALOAD 0
                                                                                                         ALOAD 5
GETFIELD com/sleepycat/je/dbi/CursorImpl$LockStanding.lsn: J
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setAbortKey ([B)V
ILOAD 4
                                                                                                         L24
ALOAD 5
                                                                                                         LINENUMBER 3348 L24
ALOAD 6
                                                                                                         ALOAD 11
LLOAD 7
                                                                                                         ALOAD 6
ILOAD 9
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setAbortData ([B)V
ILOAD 10
                                                                                                         L25
ALOAD 3
                                                                                                         LINENUMBER 3349 L25
INVOKEVIRTUAL com/sleepycat/je/txn/LockResult.setAbortInfo (JZ[B[BJIZLcom/sleepycat/je/dbi/DatabaseImpl;)V
                                                                                                         ALOAD 11
                                                                                                         LLOAD 7
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setAbortVLSN (J)V
                                                                                                         LINENUMBER 3350 L26
ALOAD 11
                                                                                                         ILOAD 9
                                                                                                         ILOAD 10
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setAbortExpiration (IZ)V
                                                                                                         L27
                                                                                                         LINENUMBER 3351 L27
                                                                                                         ALOAD 11
                                                                                                         ALOAD 3
                                                                                                         INVOKEVIRTUAL com/sleepycat/je/txn/WriteLockInfo.setDb (Lcom/sleepycat/je/dbi/DatabaseImpl;)V
                                                                                                         GOTO L28
                                                           LINENUMBER 3357 L28
                                                           FRAME SAME
                                                           ALOAD 11
                                                           LDC "74c4279f-0383-4168-a4d7-532cf0242e40"
                                                           INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                           ARETURN
                                                           L29
```

entry

exit