```
entry
```

L0 (purple box)
```
L0
LINENUMBER 477 L0
LDC "8aee217c-6517-4b74-934a-3d0d1406321f"
INVOKESTATIC edu/cmu/cs/mvelezce/java/execute/region/RegionsManager.enter (Ljava/lang/String;)V
ALOAD 3
ALOAD 1
ILOAD 2
L1
LINENUMBER 478 L1
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.getKey (I)[B
INVOKESTATIC com/sleepycat/je/dbi/DupKeyData.replaceData ([B[B)[B
ASTORE 4
L2
LINENUMBER 489 L2
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
INVOKEVIRTUAL com/sleepycat/je/tree/BIN.needsSplitting ()Z
IFNE L3
```

```
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
ALOAD 4
INVOKEVIRTUAL com/sleepycat/je/tree/BIN.isKeyInBounds ([B)Z
IFNE L4
```

```
L3
LINENUMBER 492 L3
FRAME APPEND [[B]
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
INVOKEVIRTUAL com/sleepycat/je/tree/BIN.compactMemory ()J
POP2
L5
LINENUMBER 495 L5
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
INVOKEVIRTUAL com/sleepycat/je/tree/BIN.releaseLatch ()V
L6
LINENUMBER 496 L6
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.envImpl : Lcom/sleepycat/je/dbi/EnvironmentImpl;
ICONST_0
INVOKEVIRTUAL com/sleepycat/je/dbi/EnvironmentImpl.daemonEviction (Z)V
L7
LINENUMBER 499 L7
ALOAD 0
ALOAD 1
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.getDatabase ()Lcom/sleepycat/je/dbi/DatabaseImpl;
INVOKEVIRTUAL com/sleepycat/je/dbi/DatabaseImpl.getTree ()Lcom/sleepycat/je/tree/Tree;
ALOAD 4
GETSTATIC com/sleepycat/je/CacheMode.UNCHANGED : Lcom/sleepycat/je/CacheMode;
INVOKEVIRTUAL com/sleepycat/je/tree/Tree.searchSplitsAllowed ([BLcom/sleepycat/je/CacheMode;)Lcom/sleepycat/je/tree/BIN;
PUTFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
```

```
L4
LINENUMBER 503 L4
FRAME SAME
ALOAD 0
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.bin : Lcom/sleepycat/je/tree/BIN;
ACONST_NULL
ALOAD 4
ACONST_NULL
ALOAD 1
ILOAD 2
L8
LINENUMBER 504 L8
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.getLsn (I)J
ALOAD 1
ILOAD 2
L9
LINENUMBER 505 L9
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.getState (I)B
ICONST_0
L10
LINENUMBER 503 L10
INVOKEVIRTUAL com/sleepycat/je/tree/BIN.insertEntry1 (Lcom/sleepycat/je/tree/Node;[B[BJBZ)I
ISTORE 5
L11
LINENUMBER 507 L11
ILOAD 5
LDC 131072
IAND
IFNE L12
```

L13 (purple box)
```
L13
LINENUMBER 508 L13
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "Key not inserted: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 4
ICONST_0
L14
LINENUMBER 509 L14
INVOKESTATIC com/sleepycat/je/tree/Key.dumpString ([BI)Ljava/lang/String;
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
LDC " DB: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 1
L15
LINENUMBER 510 L15
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.getDatabase ()Lcom/sleepycat/je/dbi/DatabaseImpl;
INVOKEVIRTUAL com/sleepycat/je/dbi/DatabaseImpl.getId ()Lcom/sleepycat/je/dbi/DatabaseId;
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/Object;)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
L16
LINENUMBER 509 L16
INVOKESTATIC com/sleepycat/je/EnvironmentFailureException.unexpectedState (Ljava/lang/String;)Lcom/sleepycat/je/EnvironmentFailureException;
LDC "8aee217c-6517-4b74-934a-3d0d1406321f"
INVOKESTATIC edu/cmu/cs/mvelezce/java/execute/region/RegionsManager.exit (Ljava/lang/String;)V
ATHROW
```

L12 (purple box)
```
L12
LINENUMBER 513 L12
FRAME APPEND [I]
ALOAD 0
ILOAD 5
LDC -131073
IAND
PUTFIELD com/sleepycat/je/tree/dupConvert/DupConvert.index : I
L17
LINENUMBER 519 L17
ALOAD 1
ILOAD 2
ICONST_0
LDC -1
INVOKEVIRTUAL com/sleepycat/je/tree/dupConvert/DBIN.detachNode (IZJ)V
L18
LINENUMBER 521 L18
ALOAD 0
DUP
GETFIELD com/sleepycat/je/tree/dupConvert/DupConvert.nConverted : J
LCONST_1
LADD
PUTFIELD com/sleepycat/je/tree/dupConvert/DupConvert.nConverted : J
L19
LINENUMBER 522 L19
LDC "8aee217c-6517-4b74-934a-3d0d1406321f"
INVOKESTATIC edu/cmu/cs/mvelezce/java/execute/region/RegionsManager.exit (Ljava/lang/String;)V
RETURN
L20
```

```
exit
```