```
LINENUMBER 100 L0
                                                                    LDC "36aaa0e9-1b8a-41b6-ba1b-56329ef139a1"
                                                                    INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                    ILOAD 2
                                                                    SIPUSH 32767
                                                                    IAND
                                                                    ISTORE 4
                                                                    LINENUMBER 101 L1
                                                                    ALOAD 0
                                                                    GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.val: I
                                                                    ISTORE 5
                                                                    LINENUMBER 103 L2
                                                                    ILOAD 5
                                                                    ICONST_5
                                                                    ISHL
                                                                    ILOAD 2
                                                                    ICONST_2
                                                                    IADD
                                                                    ILOAD 3
                                                                    IF_ICMPGE L3
                                                                                                                                                              ALOAD 1
                                                                                                                                                              ILOAD 2
                                                                                                                                                              ICONST_2
                                                                                                                                                              IADD
                                FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I I] [I]
                                                                                                                                                              BALOAD
                                ICONST_0
                                                                                                                                                              SIPUSH 255
                                                                                                                                                              IAND
                                                                                                                                                              GOTO L4
                                                                     FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I I] [I I]
                                                                     IXOR
                                                                     SIPUSH 32767
                                                                     IAND
                                                                     ISTORE 5
                                                                     L5
                                                                     LINENUMBER 105 L5
                                                                     ALOAD 0
                                                                     GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal: [I
                                                                     ILOAD 4
                                                                     ILOAD 5
                                                                     IASTORE
                                                                     L6
                                                                     LINENUMBER 106 L6
                                                                     ALOAD 0
                                                                     GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head: [I
                                                                     ILOAD 5
                                                                     IALOAD
                                                                     ISTORE 6
                                                                     LINENUMBER 107 L7
                                                                     ALOAD 0
                                                                     GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.prev: [I
                                                                     ILOAD 4
                                                                     ILOAD 6
                                                                     ICONST_M1
                                                                    IF_ICMPEQ L8
                                                                                                         ALOAD 0
                                                                                                         GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal: [I
                                                                                                        ILOAD 6
                                                                                                         IALOAD
                                                                                                         ILOAD 5
                                                                                                         IF ICMPNE L8
                                                                                                                                                                     ILOAD 6
                                   FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I I I ] [[I I]
                                                                                                                                                                      GOTO L9
                                   ILOAD 4
                                                                        FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I I I] [[I I I]
                                                                        IASTORE
                                                                        L10
                                                                        LINENUMBER 108 L10
                                                                        ALOAD 0
                                                                        GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head: [I
                                                                        ILOAD 5
                                                                        ILOAD 4
                                                                        IASTORE
                                                                        L11
                                                                        LINENUMBER 110 L11
                                                                        ALOAD 0
                                                                        GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.same: [I
                                                                        ILOAD 2
                                                                        ICONST_1
                                                                        ISUB
                                                                        SIPUSH 32767
                                                                        IAND
                                                                        IALOAD
                                                                        ISTORE 6
                                                                        L12
                                                                        LINENUMBER 111 L12
                                                                        ILOAD 6
                                                                        ICONST_1
                                                                        IF_ICMPGE L13
                                                                                                           L14
                                                                                                          LINENUMBER 112 L14
                                                                                                           ICONST 1
                                                                                                           ISTORE 6
                                                                                                                      L13
                                                                                                                      LINENUMBER 114 L13
                                                                                                                      FRAME SAME
                                                                                                                      ILOAD 6
                                                                                                                      ILOAD 2
                                                                                                                      IADD
                                                                                                                      ISTORE 6
                                                                                                                      L15
                                                                                                                      LINENUMBER 115 L15
                                                                                                                      ALOAD 1
                                                                                                                      ILOAD 2
                                                                                                                      BALOAD
                                                                                                                      ISTORE 7
                                                                                                                      L16
                                                                                                                      LINENUMBER 116 L16
                                                                                                                      FRAME APPEND [I]
                                                                                                                      ILOAD 6
                                                                                                                      ILOAD 3
                                                                                                                      IF ICMPGE L17
                                                                                                                           ILOAD 7
                                                                                                                           ALOAD 1
                                                                                                                           ILOAD 6
                                                                                                                           BALOAD
                                                                                                                           IF_ICMPNE L17
                                L17
                                LINENUMBER 119 L17
                                FRAME SAME
                                ILOAD 6
                                ILOAD 2
                                ISUB
                                ISTORE 6
                                L19
                                LINENUMBER 120 L19
                                IINC 6 -1
                                L20
                                LINENUMBER 121 L20
                                ALOAD 0
                                GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.same: [I
                                ILOAD 4
                                ILOAD 6
                                IASTORE
                                L21
                                LINENUMBER 123 L21
                                ILOAD 6
                                ICONST_3
                                ISUB
                                SIPUSH 255
                                                                                                                                                         L18
                                IAND
                                                                                                                                                         LINENUMBER 117 L18
                                ILOAD 5
                                                                                                                                                         IINC 6 1
                                IXOR
                                                                                                                                                         GOTO L16
                                ISTORE 6
                                LINENUMBER 124 L22
                                ALOAD 0
                                GETFIELD\ optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal2: [II] and the processing optimizer/core/processing/zopfli/Hash.hashVal2: [II] and the processing optimizer/core/processing/zopfli/HashVal2: [II] and the processing optimizer/core/processing optimizer/core/processing optimizer/core/
                                ILOAD 4
                                ILOAD 6
                                IASTORE
                                L23
                                LINENUMBER 125 L23
                                ALOAD 0
                                GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head2: [I
                                ILOAD 6
                                IALOAD
                                ISTORE 8
                                L24
                                LINENUMBER 126 L24
                                ALOAD 0
                                GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.prev2: [I
                                ILOAD 4
                                ILOAD 8
                                ICONST_M1
                                IF_ICMPEQ L25
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal2: [I
IF_ICMPNE L25
                                    ILOAD 8
                                                         GOTO L26
                                                          ILOAD 4
                  IASTORE
                  L27
                  LINENUMBER 127 L27
                  ALOAD 0
                  GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head2: [I
                  ILOAD 6
                  ILOAD 4
                  IASTORE
                  LINENUMBER 129 L28
                  ALOAD 0
                  ILOAD 5
                  PUTFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.val: I
                  LINENUMBER 130 L29
                  LDC "36aaa0e9-1b8a-41b6-ba1b-56329ef139a1"
                  INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
```

entry

ALOAD 0

ILOAD 8 **IALOAD** ILOAD 6

**RETURN**