```
LINENUMBER 100 L0
                                                                        LDC "a5b7a904-4de4-46c2-abb0-35ba73f80218"
                                                                       INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                        ILOAD 2
                                                                        SIPUSH 32767
                                                                        IAND
                                                                        ISTORE 4
                                                                       L1
                                                                        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]
                                                                        LDC "a5b7a904-4de4-46c2-abb0-35ba73f80218"
                                                                       INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                                       LDC "46d433e0-d61b-4ceb-b48a-877134f5d21c"
                                                                        INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                        IXOR
                                                                        SIPUSH 32767
                                                                        IAND
                                                                        ISTORE 5
                                                                        LINENUMBER 105 L5
                                                                        ALOAD 0
                                                                        GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal: [I
                                                                        ILOAD 4
                                                                       ILOAD 5
                                                                       IASTORE
                                                                        LINENUMBER 106 L6
                                                                        ALOAD 0
                                                                        GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head: [I
                                                                        ILOAD 5
                                                                        IALOAD
                                                                        ISTORE 6
                                                                        L7
                                                                        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
                                         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]
                                                                           LDC "46d433e0-d61b-4ceb-b48a-877134f5d21c"
                                                                           INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                                           LDC "d7baff5b-62fd-4dd1-a228-07b3d6f1a6fc"
                                                                           INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                           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
                                                                             LDC "d7baff5b-62fd-4dd1-a228-07b3d6f1a6fc"
                                                                             INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                                             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]
                                                                             LDC "32f717ef-1ca8-431f-a47d-d18805b3dc40"
                                                                             INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                             ILOAD 6
                                                                             ILOAD 3
                                                                             IF_ICMPGE L17
                                                                                                                           ILOAD 7
                                                                                                                           ALOAD 1
                                                                                                                           ILOAD 6
                                                                                                                           BALOAD
                                                                                                                           IF_ICMPNE L17
                                LINENUMBER 119 L17
                                FRAME SAME
                                LDC "32f717ef-1ca8-431f-a47d-d18805b3dc40"
                                INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                LDC "0662b685-3adc-45ed-92fb-8eaed8d19c77"
                                INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                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
                                                                                                                                                        L18
                                ISUB
                                                                                                                                                        LINENUMBER 117 L18
                                SIPUSH 255
                                                                                                                                                        IINC 6 1
                                IAND
                                                                                                                                                        GOTO L16
                                ILOAD 5
                                IXOR
                                ISTORE 6
                                L22
                                LINENUMBER 124 L22
                                ALOAD 0
                                GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal2: [I
                                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
                                                                  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 optimizer/core/processing optimizer/core/processing opt
                                                                  ILOAD 8
                                                                  IALOAD
                                                                  ILOAD 6
                                                                  IF_ICMPNE L25
                                                                                                                             ILOAD 8
GOTO L26
ILOAD 4
                                   LDC "0662b685-3adc-45ed-92fb-8eaed8d19c77"
                                   INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                   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
                                   RETURN
```

entry

exit