```
LINENUMBER 658 L0
                                                                                               LDC "0c6b7764-338b-4fdd-be50-a2243bba1efa"
                                                                                              INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                                                              GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i288a: [I
                                                                                               ASTORE 8
                                                                                               LINENUMBER 659 L1
                                                                                              GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes : [I
                                                                                               ICONST_0
                                                                                               ALOAD 8
                                                                                              ICONST_0
                                                                                               SIPUSH 288
                                                                                              INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                                                              LINENUMBER 660 L2
                                                                                               ALOAD 0
                                                                                              GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i32a: [I
                                                                                               ASTORE 9
                                                                                              LINENUMBER 661 L3
                                                                                               GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes : [I
                                                                                               ICONST 0
                                                                                              ALOAD 9
                                                                                              ICONST 0
                                                                                               BIPUSH 32
                                                                                              INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                                                               LINENUMBER 662 L4
                                                                                               ALOAD 0
                                                                                              GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i288b: [I
                                                                                               ASTORE 10
                                                                                               LINENUMBER 663 L5
                                                                                              GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes : [I
                                                                                              ICONST_0
                                                                                              ALOAD 10
                                                                                               ICONST 0
                                                                                               SIPUSH 288
                                                                                              INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                                                               LINENUMBER 664 L6
                                                                                               ALOAD 0
                                                                                              GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i32b : [I
                                                                                               ASTORE 11
                                                                                               LINENUMBER 665 L7
                                                                                              GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes : [I
                                                                                              ICONST_0
                                                                                              ALOAD 11
                                                                                              ICONST 0
                                                                                              INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                                                               LINENUMBER 667 L8
                                                                                              ALOAD 7
ILOAD 2
                                                                                              IFEQ L9
                                                          ICONST_1
                                                                        GOTO L\overline{1}0
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate$BlockType I [C [C I I optimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer I] LDC "0c6b7764-338b-4fdd-be50-a2243bba1efa"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "b5c091e9-e1f0-4bf3-af72-d312846d980c"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer.addHuffmanBits (II)V
LINENUMBER 668 L11
ALOAD 1
GETSTATIC\ optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate\$BlockType.FIXED: Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate\$BlockType;
IF_ACMPNE L12
                                                                                                                                         L13
                                       LINENUMBER 672 L12
                                                                                                                                         LINENUMBER 669 L13
                                                                                                                                         ALOAD 7
ICONST_2
                                        FRAME SAME
                                        ALOAD 7
                                                                                                                                         ICONST_2
                                        ICONST_1
                                                                                                                                         INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer.addHuffmanBits (II)V
                                        ICONST 2
                                       INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer.addHuffmanBits (II)V
                                                                                                                                          GOTO L14
                                                          LINENUMBER 675 L14
                                                          FRAME SAME
                                                          LDC "b5c091e9-e1f0-4bf3-af72-d312846d980c"
                                                         INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                          LDC "df9bd49b-dfb7-4fca-81e8-205f337df14a"
                                                          INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
                                                          GETSTATIC\ optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate\$BlockType.FIXED: Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate\$BlockType;
                                                          IF_ACMPNE L15
                                                                                                            LINENUMBER 679 L15
                                                                                                            FRAME SAME
                                                                                                            ALOAD 3
                                                                                                            ALOAD 4
                                                                                                            ILOAD 5
                                                                                                            ILOAD 6
ALOAD 10
                                                                                                             ALOAD 11
                                                                                                            INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.lzCounts ([C[CII[I]]V
                                                                                                           LINENUMBER 680 L18
                                                                                                            ALOAD 0
ALOAD 10
                                                                                                            INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.optimizeHuffmanForRle (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[I)V
                                                                                                           LINENUMBER 681 L19
                                                                                                            ALOAD 0
                                                                                                            ALOAD 10
                                                                                                            BIPUSH 15
            L16
LINENUMBER 676 L16
                                                                                                            ALOAD 8
                                                                                                           INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Katajainen.lengthLimitedCodeLengths (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[II[I)V
             ALOAD 8
             ALOAD 9
                                                                                                           LINENUMBER 682 L20
             INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.getFixedTree ([I[I])
                                                                                                            ALOAD 0
ALOAD 11
                                                                                                            INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.optimizeHuffmanForRle (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[I)V
                                                                                                           LINENUMBER 683 L21
                                                                                                            ALOAD 0
                                                                                                            ALOAD 11
                                                                                                            BIPUSH 15
                                                                                                            ALOAD 9
                                                                                                            INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Katajainen.lengthLimitedCodeLengths (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[II[I)V
                                                                                                           LINENUMBER 684 L22
                                                                                                            ALOAD 9
                                                                                                            INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.patchDistanceCodesForBuggyDecoders ([I)V
                                                                                                            LINENUMBER 685 L23
                                                                                                            ALOAD 0
                                                                                                            ALOAD 8
                                                                                                            ALOAD 9
                                                                                                            ALOAD 7
                                                                                                           INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.addDynamicTree (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[I[ILoptimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer;)V
                                                          LINENUMBER 688 L17
                                                          FRAME SAME
                                                           LDC "df9bd49b-dfb7-4fca-81e8-205f337df14a"
                                                          INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
                                                          GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i288c: [I
                                                           ASTORE 12
                                                           LINENUMBER 689 L24
                                                          GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes: [I
                                                           ICONST_0
                                                          ALOAD 12
                                                          ICONST 0
                                                          SIPUSH 288
                                                          INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                          LINENUMBER 690 L25
                                                           ALOAD 8
                                                          SIPUSH 288
                                                          BIPUSH 15
                                                          ALOAD 12
                                                           ALOAD 0
                                                           GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i16a: [I
                                                          GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i16b : [I INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.lengthsToSymbols ([III[I[I]V
                                                          LINENUMBER 692 L26
                                                           ALOAD 0
                                                          GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i32b : [I
                                                           ASTORE 13
                                                          L27
                                                          LINENUMBER 693 L27
                                                          GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes: [I
                                                          ICONST 0
                                                          ALOAD 13
                                                          ICONST_0
                                                          BIPUSH 32
                                                          INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
                                                          LINENUMBER 694 L28
                                                          ALOAD 9
                                                          BIPUSH 32
                                                          BIPUSH 15
                                                          ALOAD 13
                                                          ALOAD 0
                                                          GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i16a: [I
                                                          GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.i16b : [I INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.lengthsToSymbols ([III[I[I]V
                                                          LINENUMBER 696 L29
                                                          ALOAD 3
                                                          ALOAD 4
                                                          ILOAD 5
                                                          ILOAD 6
                                                          ALOAD 12
                                                          ALOAD 8
                                                          ALOAD 13
                                                          ALOAD 9
                                                          ALOAD 7
                                                          INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Deflate.addLzData ([C[CII[I[I[I[I[ILoptimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer;)V
                                                          LINENUMBER 697 L30
                                                          ALOAD 7
                                                          ALOAD 12
                                                          SIPUSH 256
                                                          IALOAD
                                                          ALOAD 8
                                                          SIPUSH 256
                                                           IALOAD
                                                          INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Buffer.addHuffmanBits (II)V
                                                          LINENUMBER 698 L31
                                                          RETURN
```

entry