```
entry
            LINENUMBER 41 L0
            LDC "30abe072-bf96-4824-88fe-43e5861ef8b2"
            INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
            GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.log : Loptimizer/com/googlecode/pngtastic/core/Logger; LDC "=== OPTIMIZING ==="
            ICONST 0
            ANEWARRAY java/lang/Object
            INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/Logger.debug (Ljava/lang/String;[Ljava/lang/Object;)V
            LINENUMBER 43 L1
            INVOKESTATIC java/lang/System.currentTimeMillis ()J
            LSTORE 5
            LINENUMBER 44 L2
            ALOAD 0
            ALOAD 1
            ILOAD 3
            ALOAD 4
            INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngOptimizer.optimize (Loptimizer/com/googlecode/pngtastic/core/PngImage; ZLjava/lang/Integer;)Loptimizer/com/googlecode/pngtastic/core/PngImage;
            ASTORE 7
            LINENUMBER 46 L3
            NEW java/io/ByteArrayOutputStream
            INVOKESPECIAL java/io/ByteArrayOutputStream.<init>()V
            ASTORE 8
            LINENUMBER 47 L4
            ALOAD 7
            ALOAD 8
            INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.writeDataOutputStream (Ljava/io/OutputStream;)Ljava/io/DataOutputStream; INVOKEVIRTUAL java/io/DataOutputStream.size ()I
            LSTORE 9
            LINENUMBER 49 L5
            NEW java/io/File
            DUP
            ALOAD 1
            INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.getFileName ()Ljava/lang/String; INVOKESPECIAL java/io/File.<init> (Ljava/lang/String;)V
            ASTORE 11
            LINENUMBER 50 L6
            ALOAD 11
            INVOKEVIRTUAL java/io/File.length ()J
            LSTORE 12
            LINENUMBER 52 L7
            LLOAD 9
            LLOAD 12
            LCMP
            IFGE L8
ALOAD 8
                                                                   FRAME FULL [optimizer/com/googlecode/pngtastic/core/PngOptimizer optimizer/com/googlecode/pngtastic/core/PngImage java/lang/String I java/lang/Integer J optimizer/com/googlecode/pngtastic/core/PngImage java/io/ByteArrayOutputStream J java/io/File J] []
                                                                    ALOAD 0
LINENUMBER 53 L9
                                                                   ALOAD 11
INVOKEVIRTUAL java/io/ByteArrayOutputStream.toByteArray ()[B
                                                                   LLOAD 12
GOTO L10
                                                                   INVOKESPECIAL optimizer/com/googlecode/pngtastic/core/PngOptimizer.getFileBytes (Ljava/io/File;J)[B
                                                    FRAME SAME1 [B
                                                    ASTORE 14
                                                    LINENUMBER 55 L11
                                                    ALOAD 7
                                                    ALOAD 2
                                                    ALOAD 14
                                                    INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.export (Ljava/lang/String;[B)Ljava/io/File;
                                                    ASTORE 15
                                                    LINENUMBER 57 L12
                                                    ALOAD 15
                                                    INVOKEVIRTUAL java/io/File.length ()J
                                                    LSTORE 16
                                                    L13
                                                    LINENUMBER 58 L13
                                                    INVOKESTATIC java/lang/System.currentTimeMillis ()J
                                                    LLOAD 5
                                                    LSUB
                                                    LSTORE 18
                                                    LINENUMBER 60 L14
                                                    ALOAD 0
                                                    GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.log: Loptimizer/com/googlecode/pngtastic/core/Logger; LDC "Optimized in %d milliseconds, size %d"
                                                    ICONST 2
                                                    ANEWARRAY java/lang/Object
                                                    ICONST_0
                                                   LLOAD 18
                                                    INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long;
                                                    AASTORE
                                                    DUP
                                                    ICONST_1
                                                    LLOAD 9
                                                    INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long;
                                                    INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/Logger.debug (Ljava/lang/String;[Ljava/lang/Object;)V
                                                    L15
                                                    LINENUMBER 61 L15
                                                    GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.log : Loptimizer/com/googlecode/pngtastic/core/Logger; LDC "Original length in bytes: %d (%s)" ICONST_2
                                                    ANEWARRAY java/lang/Object
                                                    ICONST_0
                                                    LLOAD 12
                                                    INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long;
                                                    AASTORE
                                                    DUP
                                                    ICONST 1
                                                    ALOAD\overline{1}
                                                    INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.getFileName ()Ljava/lang/String;
                                                    INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/Logger.debug (Ljava/lang/String;[Ljava/lang/Object;)V
                                                    LINENUMBER 62 L16
                                                    ALOAD 0
                                                   GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.log : Loptimizer/com/googlecode/pngtastic/core/Logger; LDC "Final length in bytes: %d (%s)" ICONST_2
                                                    ANEWARRAY java/lang/Object
                                                    ICONST_0
                                                    LLOAD 16
                                                    INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long;
                                                    AASTORE
                                                    DUP
                                                    ICONST_1
                                                    ALOAD\overline{2}
                                                    AASTORE
                                                    INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/Logger.debug (Ljava/lang/String;[Ljava/lang/Object;)V
                                                    LINENUMBER 64 L17
                                                    LLOAD 16
                                                    LLOAD 12
                                                    LCMP
                                                    IFGT L18
                                                                                                                                                                         LLOAD 12
                                                                                                                                                                         LLOAD 16
                                                                                                                                                                         LSUB
                                                                                                                                                                         GOTO L19
                                                    FRAME SAME1 J
                                                    LSTORE 20
```

FRAME FULL [optimizer/com/googlecode/pngtastic/core/PngOptimizer optimizer/com/googlecode/pngtastic/core/PngImage java/io/ByteArrayOutputStream J java/io/File J [B java/io/File J J] [] LLOAD 16 LLOAD 12 LSUB LNEG LINENUMBER 67 L20 ALOAD 0 GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.log : Loptimizer/com/googlecode/pngtastic/core/Logger; LDC "%5.2f%% :%6dB ->%6dB (%5dB saved) - %s" ICONST 5 ANEWARRAY java/lang/Object ICONST_0 LLOAD $\overline{2}0$ L2F LLOAD 12 L2F LINENUMBER 68 L21 INVOKESTATIC java/lang/Float.valueOf (F)Ljava/lang/Float; INVOKEVIRTUAL java/lang/Float.floatValue ()F FDIV LDC 100.0 INVOKESTATIC java/lang/Float.valueOf (F)Ljava/lang/Float; AASTORE DUP ICONST_1 LLOAD 12 LINENUMBER 69 L22 INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long; AASTORE DUP ICONST_2 $LLOAD\overline{1}6$ INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long; AASTORE DUP ICONST_3 $LLOAD\overline{20}$ INVOKESTATIC java/lang/Long.valueOf (J)Ljava/lang/Long; AASTORE DUP ICONST_4 ALOAD 2 AASTORE LINENUMBER 67 L23 INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/Logger.info (Ljava/lang/String;[Ljava/lang/Object;)V LINENUMBER 71 L24 ALOAD 0 GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.generateDataUriCss: Z IFEQ L25 ALOAD 0 L25 GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.pngCompressionHandler: Loptimizer/com/googlecode/pngtastic/core/processing/PngCompressionHandler; FRAME APPEND [J] ACONST_NULL INVOKEINTERFACE optimizer/com/googlecode/pngtastic/core/processing/PngCompressionHandler.encodeBytes ([B)Ljava/lang/String; GOTO L26

FRAME SAME1 java/lang/String ASTORE 22 LINENUMBER 73 L27 ALOAD 0 GETFIELD optimizer/com/googlecode/pngtastic/core/PngOptimizer.results : Ljava/util/List; NEW optimizer/com/googlecode/pngtastic/core/PngOptimizer\$OptimizerResult DUP ALOAD 1 INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.getFileName ()Ljava/lang/String; LLOAD 12 LLOAD 16 ALOAD 1 INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.getWidth ()J ALOAD 1 INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/PngImage.getHeight ()J INVOKESPECIAL optimizer/com/googlecode/pngtastic/core/PngOptimizer\$OptimizerResult.<init> (Ljava/lang/String;JJJJLjava/lang/String;)V INVOKEINTERFACE java/util/List.add (Ljava/lang/Object;)Z LINENUMBER 74 L28 LDC "30abe072-bf96-4824-88fe-43e5861ef8b2" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V RETURN

exit