entry LINENUMBER 31 L0 GETSTATIC java/lang/System.out : Ljava/io/PrintStream; LDC "Instrumented" INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V LINENUMBER 32 L1 INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Sink.init ()V LINENUMBER 34 L2 NEW java/util/HashMap INVOKESPECIAL java/util/HashMap.<init>()V ASTORE 1 LINENUMBER 35 L3 ICONST\_0 ISTORE 2 LINENUMBER 36 L4 ICONST\_0 ISTORE 3 FRAME APPEND [java/util/HashMap I I] ILOAD 3 ALOAD 0 ARRAYLENGTH IF\_ICMPGE L6 LINENUMBER 50 L6 FRAME CHOP 1 ALOAD 0 ILOAD 2 ALOAD 0 ARRAYLENGTH INVOKESTATIC java/util/Arrays.copyOfRange ([Ljava/lang/Object;II)[Ljava/lang/Object; LINENUMBER 37 L7 CHECKCAST [Ljava/lang/String; ASTORE 3 ALOAD 0 ILOAD 3 L16 AALOAD LINENUMBER 51 L16 ASTORE 4 ICONST\_1 ANEWARRAY java/lang/String LINENUMBER 38 L8 ASTORE 3 ALOAD 4 LDC "--" LINENUMBER 52 L17 INVOKEVIRTUAL java/lang/String.startsWith (Ljava/lang/String;)Z ALOAD 3 IFEQ L9 LDC "/Users/mvelezce/Documents/Programming/Java/Projects/performance-mapper-evaluation/instrumented/pngtastic/images/optimizer/1px.png" **AASTORE** LINENUMBER 54 L18 ALOAD 3 ARRAYLENGTH IFNE L19 LINENUMBER 39 L10 ILOAD 3 ICONST\_1 LINENUMBER 60 L19 IADD FRAME FULL [[Ljava/lang/String; java/util/HashMap I [Ljava/lang/String;] [] ISTORE 5 ALOAD 1 L11 LDC "--toDir" LINENUMBER 40 L11 INVOKEINTERFACE java/util/Map.get (Ljava/lang/Object;)Ljava/lang/Object; IFNONNULL L23 ILOAD 5 ALOAD 0 ARRAYLENGTH IF\_ICMPGE L12 LINENUMBER 41 L13 L12 ALOAD 1 LINENUMBER 45 L12 ALOAD 4 FRAME APPEND [java/lang/String I] ALOAD 0 ILOAD 5 ALOAD 1 ALOAD 4 FRAME SAME AALOAD ACONST\_NULL INVOKEINTERFACE java/util/Map.put (Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object; LDC "." ALOAD 1 LDC "--toDir" INVOKEINTERFACE java/util/Map.put (Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object; GOTO L24 INVOKEINTERFACE java/util/Map.get (Ljava/lang/Object;)Ljava/lang/Object; CHECKCAST java/lang/String L14 LINENUMBER 42 L14 L15 LINENUMBER 46 L15 ILOAD 5 ICONST\_1 ILOAD 5 IADD ISTORE 2 ISTORE 2 GOTO L9 FRAME SAME1 java/lang/String ASTORE 4 LINENUMBER 36 L9 FRAME CHOP 1 LINENUMBER 61 L25 IINC 3 1 ALOAD 1 GOTO L5 LDC "--fileSuffix" INVOKEINTERFACE java/util/Map.get (Ljava/lang/Object;)Ljava/lang/Object; IFNONNULL L26 FRAME APPEND [java/lang/String] ALOAD 1 LDC "" LDC "--fileSuffix" GOTO L27 INVOKEINTERFACE java/util/Map.get (Ljava/lang/Object;)Ljava/lang/Object; CHECKCAST java/lang/String FRAME SAME1 java/lang/String LDC "b56bde60-02af-4e23-8590-408db1edd5a7" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V ASTORE 5 L28 LINENUMBER 68 L28 ALOAD 0 ICONST 0 AALOAD INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getOptionREMOVEGAMMA (Z)Z PUTSTATIC optimizer/com/googlecode/pngtastic/Run.REMOVEGAMMA : Z LINENUMBER 69 L29 ALOAD 0 LINENUMBER 55 L20 ICONST\_1 GETSTATIC java/lang/System.out : Ljava/io/PrintStream; AALOAD INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z LDC "No files to process" INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getOptionCOMPRESSIONLEVEL (Z)Z PUTSTATIC optimizer/com/googlecode/pngtastic/Run.COMPRESSIONLEVEL : Z LINENUMBER 56 L21 GETSTATIC java/lang/System.out : Ljava/io/PrintStream; L30 LINENUMBER 70 L30 LDC "java -cp pngtastic-x.x.jar optimizer.com.googlecode.pngtastic.PngtasticOptimizer [options] file1 [file2 ..] ALOAD 0 Options: --toDir the directory where optimized files go (will be created if it doesn't exist)
--fileSuffix string appended to the optimized files (file.png can become file.png.optimized.png)
--removeGamma remove gamma correction info if found
--compressionLevel the compression level; 0-9 allowed (default is to try them all by brute force) ICONST<sub>2</sub> INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z --compressor path to an alternate compressor (e.g. zopfli) INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getOptionCOMPRESSOR (Z)Z PUTSTATIC optimizer/com/googlecode/pngtastic/Run.COMPRESSOR : Z --iterations number of compression iterations (useful for zopfli) --logLevel the level of logging output (none, debug, info, or error) LINENUMBER 71 L31 INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V ALOAD 0 ICONST\_3 LINENUMBER 57 L22 INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z RETURN INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getOptionITERATIONS (Z)Z PUTSTATIC optimizer/com/googlecode/pngtastic/Run.ITERATIONS : Z LINENUMBER 72 L32 ALOAD 0 ICONST 4 INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getOptionLOGLEVEL (Z)Z PUTSTATIC optimizer/com/googlecode/pngtastic/Run.LOGLEVEL: Z L33 LINENUMBER 86 L33 GETSTATIC optimizer/com/googlecode/pngtastic/Run.REMOVEGAMMA : Z IFEQ L34 LINENUMBER 87 L35 LINENUMBER 90 L34 ICONST\_1 FRAME APPEND [java/lang/String] INVOKESTATIC java/lang/Boolean.valueOf (Z)Ljava/lang/Boolean; ICONST\_0 INVOKESTATIC java/lang/Boolean.valueOf (Z)Ljava/lang/Boolean; ASTORE 6 ASTORE 6 GOTO L36 LINENUMBER 93 L36 FRAME APPEND [java/lang/Boolean] LDC "b56bde60-02af-4e23-8590-408db1edd5a7" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "f11a19eb-0698-413b-af08-151461dcf22c" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC optimizer/com/googlecode/pngtastic/Run.COMPRESSIONLEVEL: Z IFEQ L37 LINENUMBER 97 L37 LINENUMBER 94 L38 FRAME SAME BIPUSH 9 INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; ICONST 0 INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; ASTORE 7 ASTORE 7 GOTO L39 LINENUMBER 100 L39 FRAME APPEND [java/lang/Integer] LDC "f11a19eb-0698-413b-af08-151461dcf22c" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "f201c008-75f7-4442-981e-139fac49aad5" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC optimizer/com/googlecode/pngtastic/Run.COMPRESSOR : Z IFEQ L40 LINENUMBER 104 L40 FRAME SAME LINENUMBER 101 L41 LDC "zopfli" ASTORE 9 LDC "none" ASTORE 9 GOTO L42 LINENUMBER 107 L42 FRAME APPEND [T java/lang/String] LDC "f201c008-75f7-4442-981e-139fac49aad5" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "4349b774-fd71-4241-95d7-7fb6c72e228d" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC optimizer/com/googlecode/pngtastic/Run.ITERATIONS : Z IFEQ L43 L44 LINENUMBER 111 L43 LINENUMBER 108 L44 FRAME SAME BIPUSH 10 ICONST\_0 INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; ASTORE 10 GOTO L45 ASTORE 10 LINENUMBER 114 L45 FRAME APPEND [java/lang/Integer] LDC "4349b774-fd71-4241-95d7-7fb6c72e228d" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "bd46c92c-f227-41f9-a052-c88854a66fa8" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC optimizer/com/googlecode/pngtastic/Run.LOGLEVEL : Z IFEQ L46 L47 LINENUMBER 115 L47 LINENUMBER 118 L46 LDC "debug" ASTORE 8 FRAME SAME LDC "none" GOTO L48 ASTORE 8 LINENUMBER 127 L48 FRAME FULL [[Ljava/lang/String; java/util/HashMap I [Ljava/lang/String; java/lang/String ja LDC "bd46c92c-f227-41f9-a052-c88854a66fa8" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V NEW optimizer/com/googlecode/pngtastic/PngtasticOptimizer DUP ALOAD 4 ALOAD 3 ALOAD 5 ALOAD 6 ALOAD 7 ALOAD 9 ALOAD 10 ALOAD 8 INVOKESPECIAL optimizer/com/googlecode/pngtastic/PngtasticOptimizer.<init> (Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Djava/String;Djava/String;Djava/String;Djava/String;Djava/String;Djava/String;Djava/String;Djava/S POP L49 LINENUMBER 128 L49 RETURN

exit