

entry

```
L0
LINENUMBER 30 L0
LDC "d9610eb5-c100-4ab7-9aa4-80c79c881e10"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Instrumented"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L1
LINENUMBER 31 L1
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Sink.init (V
L2
LINENUMBER 32 L2
NEW java/util/HashMap
DUP
INVOGESPECIAL java/util/HashMap.<init> (V
ASTORE 1
L3
LINENUMBER 33 L3
ICONST 0
ISTORE 2
L4
LINENUMBER 34 L4
ICONST 0
ISTORE 3
```

```
L5
FRAME APPEND [java/util/HashMap 1 I]
ILOAD 3
ALOAD 0
ARRAYLENGTH
IF_ICMPGE L6
```

```
L7
LINENUMBER 35 L7
ALOAD 0
ILOAD 3
AALOAD
ASTORE 4
L8
LINENUMBER 36 L8
ALOAD 4
LDC "-.-"
INVOKEVIRTUAL java/lang/String.startsWith (Ljava/lang/String;)Z
IFEQ L9
```

```
L10
LINENUMBER 37 L10
ILOAD 3
ICONST 1
IADD
ISTORE 5
L11
LINENUMBER 38 L11
ILOAD 5
ALOAD 0
ARRAYLENGTH
IF_ICMPGE L12
```

```
L12
LINENUMBER 43 L12
FRAME APPEND [java/lang/String I]
ALOAD 1
ALOAD 4
ACONST_NULL
INVOKEINTERFACE java/util/Map.put (Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
POP
L15
LINENUMBER 44 L15
ILOAD 5
ISTORE 2
```

```
L9
LINENUMBER 34 L9
FRAME CHOP 1
IINC 3 1
GOTO L5
```

```
L13
LINENUMBER 39 L13
ALOAD 1
ALOAD 4
ALOAD 0
ILOAD 5
AALOAD
INVOKEINTERFACE java/util/Map.put (Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
POP
L14
LINENUMBER 40 L14
ILOAD 5
ICONST 1
IADD
ISTORE 2
GOTO L9
```

```
L6
LINENUMBER 48 L6
FRAME CHOP 1
ALOAD 0
ILOAD 2
ALOAD 0
ARRAYLENGTH
INVOKESTATIC java/util/Arrays.copyOfRange ([Ljava/lang/Object;I)[Ljava/lang/Object;
CHECKCAST [Ljava/lang/String;
ASTORE 3
L16
LINENUMBER 50 L16
ICONST 1
ANEWARRAY java/lang/String
ASTORE 3
L17
LINENUMBER 51 L17
ALOAD 3
ICONST 0
ALOAD 3
LDC "/Users/mvelezce/Documents/Programming/Java/Projects/performance-mapper-evaluation/original/pngtastic-counter/images/optimizer/us.png"
AASTORE
L18
LINENUMBER 53 L18
ALOAD 3
ARRAYLENGTH
IFNE L19
```

```
L19
LINENUMBER 65 L19
FRAME FULL ([Ljava/lang/String; java/util/HashMap 1 [Ljava/lang/String;])
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.getOptionFreqThreshold (Z)Z
PUTSTATIC counter/com/googlecode/pngtastic/Run.FREQTHRESHOLD : Z
L23
LINENUMBER 66 L23
ALOAD 0
ICONST 1
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.getOptionDistThreshold (Z)Z
PUTSTATIC counter/com/googlecode/pngtastic/Run.DISTTHRESHOLD : Z
L24
LINENUMBER 67 L24
ALOAD 0
ICONST 2
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.getOptionMinAlpha (Z)Z
PUTSTATIC counter/com/googlecode/pngtastic/Run.MINALPHA : Z
L25
LINENUMBER 68 L25
ALOAD 0
ICONST 3
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.getOptionTimeout (Z)Z
PUTSTATIC counter/com/googlecode/pngtastic/Run.TIMEOUT : Z
L26
LINENUMBER 69 L26
ALOAD 0
ICONST 4
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.getOptionLogLevel (Z)Z
PUTSTATIC counter/com/googlecode/pngtastic/Run.LOGLEVEL : Z
L27
LINENUMBER 83 L27
GETSTATIC counter/com/googlecode/pngtastic/Run.DISTTHRESHOLD : Z
IFEQ L28
```

```
L28
LINENUMBER 87 L28
FRAME SAME
INVOKESTATIC java/lang/Double.valueOf (D)Ljava/lang/Double;
ASTORE 4
```

```
L29
LINENUMBER 84 L29
LDC 0.005
INVOKESTATIC java/lang/Double.valueOf (D)Ljava/lang/Double;
ASTORE 4
GOTO L30
```

```
L30
LINENUMBER 90 L30
FRAME APPEND [java/lang/Double]
LDC "25043d97-608f-411c-b009-76c31ed98f93"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
INVOKESTATIC counter/com/googlecode/pngtastic/Run.FREQTHRESHOLD : Z
IFEQ L31
```

```
L32
LINENUMBER 91 L32
LDC 0.005
INVOKESTATIC java/lang/Double.valueOf (D)Ljava/lang/Double;
ASTORE 5
GOTO L33
```

```
L31
LINENUMBER 94 L31
FRAME SAME
ICONST 1
INVOKESTATIC java/lang/Double.valueOf (D)Ljava/lang/Double;
ASTORE 5
```

```
L20
LINENUMBER 54 L20
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "No files to process"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L21
LINENUMBER 55 L21
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "java -jar pngtastic-x.x.jar com.googlecode.pngtastic.PngtasticColorCounter [options] file1 [file2 ..]
Options:
--distThreshold the distance below which two colors are considered similar (0.0 to 1.0)
--freqThreshold the percentage a color must be represented in the overall image (0.0 to 1.0)
--minAlpha the minimum alpha channel value a pixel must have
--timeout the number of milliseconds after which color counting will be aborted
--logLevel the level of logging output (none, debug, info, or error)
"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L22
LINENUMBER 56 L22
LDC "d9610eb5-c100-4ab7-9aa4-80c79c881e10"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

```
L33
LINENUMBER 97 L33
FRAME APPEND [java/lang/Double]
LDC "25043d97-608f-411c-b009-76c31ed98f93"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "79a06e14-88df-4340-9dfc-dca19f86516d"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC counter/com/googlecode/pngtastic/Run.MINALPHA : Z
IFEQ L34
```

```
L35
LINENUMBER 98 L35
ICONST 1
INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer;
ASTORE 6
GOTO L36
```

```
L34
LINENUMBER 101 L34
FRAME SAME
BIPUSH 50
INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer;
ASTORE 6
```

```
L36
LINENUMBER 104 L36
FRAME APPEND [java/lang/Integer]
LDC "79a06e14-88df-4340-9dfc-dca19f86516d"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "3568f3b-ae1a-41d2-ac5b-7feedec3cb"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC counter/com/googlecode/pngtastic/Run.TIMEOUT : Z
IFEQ L37
```

```
L38
LINENUMBER 105 L38
ICONST 0
INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer;
ASTORE 7
GOTO L39
```

```
L37
LINENUMBER 108 L37
FRAME SAME
LDC 1000000
INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer;
ASTORE 7
```

```
39
LINENUMBER 111 L39
FRAME APPEND [java/lang/Integer]
LDC "3568f3b-ae1a-41d2-ac5b-7feedec3cb"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "11a775e5-af4b-425b-8243-cb2d73c70a6f"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC counter/com/googlecode/pngtastic/Run.LOGLEVEL : Z
IFEQ L40
```

```
L41
LINENUMBER 112 L41
LDC "debug"
ASTORE 8
GOTO L42
```

```
L40
LINENUMBER 115 L40
FRAME SAME
LDC "none"
ASTORE 8
```

```
L42
LINENUMBER 118 L42
FRAME APPEND [java/lang/String]
LDC "e8ee32b-d047-4721-8ea5-30b95f544d11"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
NEW counter/com/googlecode/pngtastic/PngtasticColorCounter
DUP
ALOAD 3
ALOAD 8
ALOAD 4
INVOKEVIRTUAL java/lang/Double.doubleValue (D)
ALOAD 5
INVOKEVIRTUAL java/lang/Double.doubleValue (D)
ALOAD 6
INVOKEVIRTUAL java/lang/Integer.intValue (I)
ALOAD 7
INVOKEVIRTUAL java/lang/Integer.intValue (I)
I2L
INVOGESPECIAL counter/com/googlecode/pngtastic/PngtasticColorCounter.<init> ([Ljava/lang/String;Ljava/lang/String;DDU)V
POP
L43
LINENUMBER 119 L43
LDC "e8ee32b-d047-4721-8ea5-30b95f544d11"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "11a775e5-af4b-425b-8243-cb2d73c70a6f"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "d9610eb5-c100-4ab7-9aa4-80c79c881e10"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

exit