

entry

```
L0
LINENUMBER 48 L0
LDC "2a429fec-8a93-4839-8c43-e517b648292a"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal : I
ASTORE 5
L1
LINENUMBER 49 L1
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head : I
ASTORE 6
L2
LINENUMBER 50 L2
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.same : I
ASTORE 7
L3
LINENUMBER 51 L3
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.prev : I
ASTORE 8
L4
LINENUMBER 52 L4
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.hashVal2 : I
ASTORE 9
L5
LINENUMBER 53 L5
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.head2 : I
ASTORE 10
L6
LINENUMBER 54 L6
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.prev2 : I
ASTORE 11
L7
LINENUMBER 56 L7
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intMOnes : [I
ICONST_0
ALOAD 6
ICONST_0
LDC 65536
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L8
LINENUMBER 57 L8
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intMOnes : [I
ICONST_0
ALOAD 5
ICONST_0
LDC 32768
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L9
LINENUMBER 58 L9
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intZeroes : [I
ICONST_0
ALOAD 7
LDC 32768
ICONST_0
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L10
LINENUMBER 59 L10
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.seq : [I
ICONST_0
ALOAD 8
ICONST_0
LDC 32768
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L11
LINENUMBER 61 L11
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intMOnes : [I
ICONST_0
ALOAD 10
ICONST_0
LDC 65536
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L12
LINENUMBER 62 L12
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.intMOnes : [I
ICONST_0
ALOAD 9
ICONST_0
LDC 32768
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L13
LINENUMBER 63 L13
GETSTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.seq : [I
ICONST_0
ALOAD 11
ICONST_0
LDC 32768
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L14
LINENUMBER 65 L14
ALOAD 1
ILOAD 2
BALOAD
SIPUSH 255
IAND
ICONST_5
ISHL
ALOAD 1
ILOAD 2
ICONST_1
IADD
BALOAD
SIPUSH 255
IAND
IXOR
SIPUSH 32767
IAND
ISTORE 12
L15
LINENUMBER 67 L15
ILOAD 2
ISTORE 13
```

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L16
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
ILOAD 13
ILOAD 3
IF_ICMPGE L17
```

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L17
LINENUMBER 95 L17
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
ALOAD 0
ILOAD 12
PUTFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash.val : I
L46
LINENUMBER 96 L46
LDC "2a429fec-8a93-4839-8c43-e517b648292a"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

exit

```
ALOAD 1
ILOAD 13
ICONST_2
IADD
BALOAD
SIPUSH 255
IAND
GOTO L21
```

```
L20
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
ICONST_0
```

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L18
LINENUMBER 68 L18
ILOAD 13
SIPUSH 32767
IAND
ISTORE 14
L19
LINENUMBER 69 L19
ILOAD 12
ICONST_5
ISHL
ILOAD 13
ICONST_2
IADD
ILOAD 4
IF_ICMPGE L20
```

```
L21
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
IXOR
SIPUSH 32767
IAND
ISTORE 12
L22
LINENUMBER 71 L22
ALOAD 5
ILOAD 14
ILOAD 12
IASTORE
L23
LINENUMBER 72 L23
ALOAD 6
ILOAD 12
IALOAD
ISTORE 15
L24
LINENUMBER 73 L24
ALOAD 8
ILOAD 14
ILOAD 15
ICONST_M1
IF_ICMPEQ L25
```

```
ALOAD 5
ILOAD 15
IALOAD
ILOAD 12
IF_ICMPNE L25
```

```
L25
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
ILOAD 14
```

```
ILOAD 15
GOTO L26
```

```
L26
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
IASTORE
L27
LINENUMBER 74 L27
ALOAD 6
ILOAD 12
ILOAD 14
IASTORE
L28
LINENUMBER 76 L28
ALOAD 7
ILOAD 13
ICONST_1
ISUB
SIPUSH 32767
IAND
IALOAD
ISTORE 15
L29
LINENUMBER 77 L29
ILOAD 15
ICONST_1
IF_ICMPGE L30
```

```
L31
LINENUMBER 78 L31
ICONST_1
ISTORE 15
```

```
L30
LINENUMBER 80 L30
FRAME SAME
ILOAD 15
ILOAD 13
IADD
ISTORE 15
L32
LINENUMBER 81 L32
ALOAD 1
ILOAD 13
BALOAD
ISTORE 16
```

```
L33
LINENUMBER 82 L33
FRAME APPEND [I
ILOAD 15
ILOAD 4
IF_ICMPGE L34
```

```
ILOAD 16
ALOAD 1
ILOAD 15
BALOAD
IF_ICMPNE L34
```

```
L34
LINENUMBER 85 L34
FRAME SAME
ILOAD 15
ILOAD 13
ISUB
ISTORE 15
L36
LINENUMBER 86 L36
IINC 15 -1
L37
LINENUMBER 87 L37
ALOAD 7
ILOAD 14
ILOAD 15
IASTORE
L38
LINENUMBER 89 L38
ILOAD 15
ICONST_3
ISUB
SIPUSH 255
IAND
ILOAD 12
IXOR
ISTORE 15
L39
LINENUMBER 90 L39
ALOAD 9
ILOAD 14
ILOAD 15
IASTORE
L40
LINENUMBER 91 L40
ALOAD 10
ILOAD 15
IALOAD
ISTORE 17
L41
LINENUMBER 92 L41
ALOAD 11
ILOAD 14
ILOAD 17
ICONST_M1
IF_ICMPEQ L42
```

```
ALOAD 9
IALOAD
ILOAD 15
IF_ICMPNE L42
```

```
L42
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
ILOAD 14
```

```
ILOAD 17
GOTO L43
```

```
L43
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Hash [B I I I [I [I [I [I [I I [I [I
IASTORE
L44
LINENUMBER 93 L44
ALOAD 10
ILOAD 15
ILOAD 14
IASTORE
L45
LINENUMBER 67 L45
IINC 13 1
GOTO L16
```