```
L0
LINENUMBER 30 L0
LDC "2ffc8707-b943-4c93-8dd3-10d6ab4c1615"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
ALOAD 0
INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.resetPool ()V
L1
LINENUMBER 31 L1
ALOAD 1
ARRAYLENGTH
ISTORE 4
L2
LINENUMBER 32 L2
ICONST_0
ISTORE 5
L3
LINENUMBER 33 L3
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.leaves1 : [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 6
L4
LINENUMBER 34 L4
ICONST_0
ISTORE 7
```

```
L5
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie [I I [I I I [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; I] []
ILOAD 7
ILOAD 4
IF_ICMPGE L6
```

```
L7
LINENUMBER 35 L7
ALOAD 1
ILOAD 7
IALOAD
IFEQ L8
```

```
L6
LINENUMBER 41 L6
FRAME SAME
ILOAD 5
IFNE L11
```

```
L9
LINENUMBER 36 L9
ALOAD 6
ILOAD 5
ALOAD 0
ALOAD 1
ILOAD 7
IALOAD
ILOAD 7
ACONST_NULL
INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.node (IILoptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;)Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
AASTORE
L10
LINENUMBER 37 L10
IINC 5 1
```

```
L11
LINENUMBER 44 L11
FRAME SAME
ILOAD 5
ICONST_1
IF_ICMPNE L13
```

```
L13
LINENUMBER 49 L13
FRAME SAME
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.leaves2 : [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 7
L16
LINENUMBER 50 L16
ALOAD 6
ICONST_0
ALOAD 7
ICONST_0
ILOAD 5
INVOKESTATIC java/lang/System.arraycopy (Ljava/lang/Object;ILjava/lang/Object;II)V
L17
LINENUMBER 51 L17
ALOAD 7
ALOAD 6
ICONST_0
ILOAD 5
INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Katajainen.sort ([Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;[Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;II)V
L18
LINENUMBER 53 L18
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.list0 : [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 8
L19
LINENUMBER 54 L19
ALOAD 0
ALOAD 6
ICONST_0
AALOAD
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.weight : I
ICONST_1
ACONST_NULL
INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.node (IILoptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;)Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 9
L20
LINENUMBER 56 L20
ALOAD 0
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.list1 : [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 10
L21
LINENUMBER 57 L21
ALOAD 0
ALOAD 6
ICONST_1
AALOAD
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.weight : I
ICONST_2
ACONST_NULL
INVOKEVIRTUAL optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie.node (IILoptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;)Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 11
L22
LINENUMBER 59 L22
ICONST_0
ISTORE 12
```

```
L14
LINENUMBER 45 L14
ALOAD 3
ALOAD 6
ICONST_0
AALOAD
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.count : I
ICONST_1
IASTORE
L15
LINENUMBER 46 L15
LDC "2ffc8707-b943-4c93-8dd3-10d6ab4c1615"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

```
L23
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie [I I [I I I [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node I] []
ILOAD 12
ILOAD 2
IF_ICMPGE L24
```

```
L25
LINENUMBER 60 L25
ALOAD 8
ILOAD 12
ALOAD 9
AASTORE
L26
LINENUMBER 61 L26
ALOAD 10
ILOAD 12
ALOAD 11
AASTORE
L27
LINENUMBER 59 L27
IINC 12 1
GOTO L23
```

```
L24
LINENUMBER 64 L24
FRAME SAME
ICONST_2
ILOAD 5
IMUL
ICONST_4
ISUB
ISTORE 12
L28
LINENUMBER 65 L28
ICONST_0
ISTORE 13
```

```
L12
LINENUMBER 42 L12
LDC "2ffc8707-b943-4c93-8dd3-10d6ab4c1615"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

```
L29
FRAME APPEND [I]
ILOAD 13
ILOAD 12
IF_ICMPGE L30
```

```
L31
LINENUMBER 66 L31
ILOAD 13
ILOAD 12
ICONST_1
ISUB
IF_ICMPNE L32
```

```
L30
LINENUMBER 70 L30
FRAME SAME
ALOAD 10
ILOAD 2
ICONST_1
ISUB
AALOAD
ASTORE 13
```

```
L32
FRAME SAME
ICONST_0
```

```
ICONST_1
GOTO L33
```

```
L36
FRAME FULL [optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie [I I [I I I [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node [Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node; optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node I optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node] []
ALOAD 13
IFNULL L37
```

```
L33
FRAME SAME1 I
ISTORE 14
L34
LINENUMBER 67 L34
ALOAD 0
ALOAD 6
ALOAD 8
ALOAD 10
ILOAD 5
ILOAD 2
ICONST_1
ISUB
ILOAD 14
INVOKESTATIC optimizer/com/googlecode/pngtastic/core/processing/zopfli/Katajainen.boundaryPm (Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie;[Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;[Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;[Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;IIZ)V
L35
LINENUMBER 65 L35
IINC 13 1
GOTO L29
```

```
L37
LINENUMBER 75 L37
FRAME CHOP 1
LDC "2ffc8707-b943-4c93-8dd3-10d6ab4c1615"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
```

```
L38
LINENUMBER 71 L38
ALOAD 13
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.count : I
ICONST_1
ISUB
ISTORE 14
```

```
L39
FRAME APPEND [I]
ILOAD 14
IFLT L40
```

```
L40
LINENUMBER 70 L40
FRAME SAME
ALOAD 13
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.tail : Loptimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node;
ASTORE 13
GOTO L36
```

```
L41
LINENUMBER 72 L41
ALOAD 3
ALOAD 6
ILOAD 14
AALOAD
GETFIELD optimizer/com/googlecode/pngtastic/core/processing/zopfli/Cookie$Node.count : I
DUP2
IALOAD
ICONST_1
IADD
IASTORE
L42
LINENUMBER 71 L42
IINC 14 -1
GOTO L39
```