```
entry

L0
LINENUMBER 138 L0
LDC "11b415a3-16bc-43cc-864a-28812d8b5ccc"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
ALOAD 0
INVOKESPECIAL java/io/OutputStream.<init> ()V
L1
LINENUMBER 172 L1
ILOAD 2
LDC 65536
IF_ICMPGT L2

L2
FRAME FULL [kanzi/io/CompressedOutputStream java/io/OutputStream I I java/util/concurrent/ExecutorService I java/lang/String java/lang/String] []
LDC 65536

ILOAD 2
GOTO L3

L3
FRAME SAME1 I
LDC "11b415a3-16bc-43cc-864a-28812d8b5ccc"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "801cacc1-2872-463c-a169-67046c4ad84a"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
ISTORE 8
L4
LINENUMBER 173 L4
ALOAD 0
NEW kanzi/bitstream/DefaultOutputBitStream
DUP
ALOAD 1
ILOAD 8
INVOKESPECIAL kanzi/bitstream/DefaultOutputBitStream.<init> (Ljava/io/OutputStream;I)V
PUTFIELD kanzi/io/CompressedOutputStream.obs : Lkanzi/OutputBitStream;
L5
LINENUMBER 174 L5
ALOAD 0
NEW kanzi/entropy/EntropyCodecFactory
DUP
INVOKESPECIAL kanzi/entropy/EntropyCodecFactory.<init> ()V
ALOAD 6
INVOKEVIRTUAL kanzi/entropy/EntropyCodecFactory.getType (Ljava/lang/String;)S
PUTFIELD kanzi/io/CompressedOutputStream.entropyType : S
L6
LINENUMBER 175 L6
ALOAD 0
NEW kanzi/io/ByteFunctionFactory
DUP
INVOKESPECIAL kanzi/io/ByteFunctionFactory.<init> ()V
ALOAD 7
INVOKEVIRTUAL kanzi/io/ByteFunctionFactory.getType (Ljava/lang/String;)S
PUTFIELD kanzi/io/CompressedOutputStream.transformType : S
L7
LINENUMBER 176 L7
ALOAD 0
ILOAD 2
PUTFIELD kanzi/io/CompressedOutputStream.blockSize : I
L8
LINENUMBER 177 L8
ALOAD 0
ILOAD 3
ICONST_1
IF_ICMPNE L9

NEW kanzi/util/hash/XXHash32
DUP
LDC 1262571098
INVOKESPECIAL kanzi/util/hash/XXHash32.<init> (I)V
GOTO L10

L9
FRAME FULL [kanzi/io/CompressedOutputStream java/io/OutputStream I I java/util/concurrent/ExecutorService I java/lang/String java/lang/String I] [kanzi/io/CompressedOutputStream]
ACONST_NULL

L10
FRAME FULL [kanzi/io/CompressedOutputStream java/io/OutputStream I I java/util/concurrent/ExecutorService I java/lang/String java/lang/String I] [kanzi/io/CompressedOutputStream kanzi/util/hash/XXHash32]
PUTFIELD kanzi/io/CompressedOutputStream.hasher : Lkanzi/util/hash/XXHash32;
L11
LINENUMBER 178 L11
ALOAD 0
ILOAD 5
IFNE L12

ICONST_1
GOTO L13

L12
FRAME SAME1 kanzi/io/CompressedOutputStream
ILOAD 5

L13
FRAME FULL [kanzi/io/CompressedOutputStream java/io/OutputStream I I java/util/concurrent/ExecutorService I java/lang/String java/lang/String I] [kanzi/io/CompressedOutputStream I]
PUTFIELD kanzi/io/CompressedOutputStream.jobs : I
L14
LINENUMBER 179 L14
ALOAD 0
ALOAD 4
PUTFIELD kanzi/io/CompressedOutputStream.pool : Ljava/util/concurrent/ExecutorService;
L15
LINENUMBER 180 L15
ALOAD 0
NEW kanzi/SliceByteArray
DUP
ALOAD 0
GETFIELD kanzi/io/CompressedOutputStream.blockSize : I
ALOAD 0
GETFIELD kanzi/io/CompressedOutputStream.jobs : I
IMUL
NEWARRAY T_BYTE
ICONST_0
INVOKESPECIAL kanzi/SliceByteArray.<init> ([BI)V
PUTFIELD kanzi/io/CompressedOutputStream.sa : Lkanzi/SliceByteArray;
L16
LINENUMBER 181 L16
ALOAD 0
ICONST_2
ALOAD 0
GETFIELD kanzi/io/CompressedOutputStream.jobs : I
IMUL
ANEWARRAY kanzi/SliceByteArray
PUTFIELD kanzi/io/CompressedOutputStream.buffers : [Lkanzi/SliceByteArray;
L17
LINENUMBER 182 L17
ALOAD 0
NEW java/util/concurrent/atomic/AtomicBoolean
DUP
ICONST_0
INVOKESPECIAL java/util/concurrent/atomic/AtomicBoolean.<init> (Z)V
PUTFIELD kanzi/io/CompressedOutputStream.closed : Ljava/util/concurrent/atomic/AtomicBoolean;
L18
LINENUMBER 183 L18
ALOAD 0
NEW java/util/concurrent/atomic/AtomicBoolean
DUP
ICONST_0
INVOKESPECIAL java/util/concurrent/atomic/AtomicBoolean.<init> (Z)V
PUTFIELD kanzi/io/CompressedOutputStream.initialized : Ljava/util/concurrent/atomic/AtomicBoolean;
L19
LINENUMBER 185 L19
ICONST_0
ISTORE 9

L20
FRAME APPEND [I]
ILOAD 9
ALOAD 0
GETFIELD kanzi/io/CompressedOutputStream.buffers : [Lkanzi/SliceByteArray;
ARRAYLENGTH
IF_ICMPGE L21

L21
LINENUMBER 188 L21
FRAME SAME
ALOAD 0
NEW java/util/concurrent/atomic/AtomicInteger
DUP
ICONST_0
INVOKESPECIAL java/util/concurrent/atomic/AtomicInteger.<init> (I)V
PUTFIELD kanzi/io/CompressedOutputStream.blockId : Ljava/util/concurrent/atomic/AtomicInteger;
L24
LINENUMBER 189 L24
ALOAD 0
NEW java/util/ArrayList
DUP
BIPUSH 10
INVOKESPECIAL java/util/ArrayList.<init> (I)V
PUTFIELD kanzi/io/CompressedOutputStream.listeners : Ljava/util/List;
L25
LINENUMBER 191 L25
LDC "801cacc1-2872-463c-a169-67046c4ad84a"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN

L22
LINENUMBER 186 L22
ALOAD 0
GETFIELD kanzi/io/CompressedOutputStream.buffers : [Lkanzi/SliceByteArray;
ILOAD 9
NEW kanzi/SliceByteArray
DUP
GETSTATIC kanzi/io/CompressedOutputStream.EMPTY_BYTE_ARRAY : [B
ICONST_0
INVOKESPECIAL kanzi/SliceByteArray.<init> ([BI)V
AASTORE
L23
LINENUMBER 185 L23
IINC 9 1
GOTO L20

exit
```