```
entry
```

```
L0
LINENUMBER 42 L0
ALOAD 0
INVOKESPECIAL java/lang/Object.<init> ()V
L1
LINENUMBER 30 L1
ALOAD 0
NEW org/prevayler/foundation/serialization/DESSerializer$1
DUP
ALOAD 0
INVOKESPECIAL org/prevayler/foundation/serialization/DESSerializer$1.<init> (Lorg/prevayler/foundation/serialization/DESSerializer;)V
PUTFIELD org/prevayler/foundation/serialization/DESSerializer._ciphers : Ljava/lang/ThreadLocal;
L2
LINENUMBER 43 L2
ALOAD 0
ALOAD 1
PUTFIELD org/prevayler/foundation/serialization/DESSerializer._delegate : Lorg/prevayler/foundation/serialization/Serializer;
L3
LINENUMBER 44 L3
ALOAD 2
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 0
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFNULLEval (Ljava/lang/Object;)V
IFNULL L4
```

```
ALOAD 2
ARRAYLENGTH
BIPUSH 8
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 1
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP2
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIF_ICMPNEEval (II)V
IF_ICMPNE L4
```

```
L4
LINENUMBER 46 L4
FRAME FULL [org/prevayler/foundation/serialization/DESSerializer org/prevayler/foundation/serialization/Serializer [B] []
ALOAD 2
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 2
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFNULLEval (Ljava/lang/Object;)V
IFNULL L7
```

```
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 2
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
ALOAD 2
ARRAYLENGTH
BIPUSH 24
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 3
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP2
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIF_ICMPNEEval (II)V
IF_ICMPNE L7
```

```
L5
LINENUMBER 45 L5
ALOAD 0
ICONST_0
PUTFIELD org/prevayler/foundation/serialization/DESSerializer._triple : Z
GOTO L6
```

```
L7
LINENUMBER 49 L7
FRAME SAME
NEW java/lang/IllegalArgumentException
DUP
LDC "Key must be 8 or 24 bytes"
INVOKESPECIAL java/lang/IllegalArgumentException.<init> (Ljava/lang/String;)V
ATHROW
```

```
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 3
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
L8
LINENUMBER 47 L8
ALOAD 0
ICONST_1
PUTFIELD org/prevayler/foundation/serialization/DESSerializer._triple : Z
GOTO L6
```

```
L6
FRAME SAME
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 1
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 0
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
L9
LINENUMBER 51 L9
ALOAD 0
GETFIELD org/prevayler/foundation/serialization/DESSerializer._triple : Z
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 4
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFEQEval (I)V
IFEQ L10
```

```
L10
FRAME SAME
NEW javax/crypto/spec/DESKeySpec
DUP
ALOAD 2
INVOKESPECIAL javax/crypto/spec/DESKeySpec.<init> ([B)V
```

```
NEW javax/crypto/spec/DESedeKeySpec
DUP
ALOAD 2
INVOKESPECIAL javax/crypto/spec/DESedeKeySpec.<init> ([B)V
GOTO L11
```

```
L11
FRAME SAME1 java/lang/Object
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 4
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
ASTORE 3
L12
LINENUMBER 52 L12
ALOAD 0
ALOAD 0
GETFIELD org/prevayler/foundation/serialization/DESSerializer._triple : Z
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 5
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V
DUP
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFEQEval (I)V
IFEQ L13
```

```
L13
FRAME FULL [org/prevayler/foundation/serialization/DESSerializer org/prevayler/foundation/serialization/Serializer [B java/lang/Object] [org/prevayler/foundation/serialization/DESSerializer]
LDC "DES"
```

```
LDC "DESede"
GOTO L14
```

```
L14
FRAME FULL [org/prevayler/foundation/serialization/DESSerializer org/prevayler/foundation/serialization/Serializer [B java/lang/Object] [org/prevayler/foundation/serialization/DESSerializer java/lang/String]
LDC "org/prevayler/foundation/serialization/DESSerializer.<init>(Lorg/prevayler/foundation/serialization/Serializer;[B)V"
BIPUSH 5
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V
INVOKESTATIC javax/crypto/SecretKeyFactory.getInstance (Ljava/lang/String;)Ljavax/crypto/SecretKeyFactory;
ALOAD 3
INVOKEVIRTUAL javax/crypto/SecretKeyFactory.generateSecret (Ljava/security/spec/KeySpec;)Ljavax/crypto/SecretKey;
PUTFIELD org/prevayler/foundation/serialization/DESSerializer._key : Ljavax/crypto/SecretKey;
L15
LINENUMBER 53 L15
RETURN
L16
```

```
exit
```