```
LINENUMBER 16 L0
                   ICONST_0
                   INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.A_0 (Z)Z
                   ISTORE 0
                   LINENUMBER 17 L1
                   ICONST_1
                   INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.B 1 (Z)Z
                   ISTORE 1
                   L2
                   LINENUMBER 21 L2
                   ILOAD 0
                   LDC "edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V"
                   INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogging.enterDecision (Ljava/lang/String;I)V
                   IFEQ L3
L3
                                                                               LINENUMBER 22 L4
LINENUMBER 25 L3
                                                                               NEW edu/cmu/cs/mvelezce/implicit/Car
FRAME APPEND [I I]
                                                                               DUP
NEW edu/cmu/cs/mvelezce/implicit/Car
                                                                              LDC "ford"
DUP
                                                                               SIPUSH 2019
LDC "toyota"
                                                                               ICONST_0
SIPUSH 2014
                                                                               INVOKESPECIAL edu/cmu/cs/mvelezce/implicit/Car.<init> (Ljava/lang/String;IZ)V
ICONST 1
                                                                               ASTORE 2
INVOKESPECIAL edu/cmu/cs/mvelezce/implicit/Car.<init> (Ljava/lang/String;IZ)V
                                                                               L5
ASTORE 2
                                                                               GOTO L6
                   L6
                   FRAME APPEND [edu/cmu/cs/mvelezce/implicit/Car]
                   LDC "edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V"
                   BIPUSH 0
                   INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogging.exitDecision (Ljava/lang/String;I)V
                   LINENUMBER 28 L7
                   ILOAD 1
                   LDC "edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V"
                   INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogging.enterDecision (Ljava/lang/String;I)V
                   IFEQ L8
                                                                               L9
                                                      L8
                                                                              LINENUMBER 29 L9
                                                      LINENUMBER 32 L8
                                                                              BIPUSH 20
                                                      FRAME SAME
                                                                               ISTORE 3
                                                      BIPUSH 10
                                                                              L10
                                                      ISTORE 3
                                                                              GOTO L11
             L11
             FRAME APPEND [I]
             LDC "edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V"
             BIPUSH 1
             INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogging.exitDecision (Ljava/lang/String;I)V
             L12
             LINENUMBER 35 L12
             ALOAD 2
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L13
             LINENUMBER 37 L13
             ALOAD 2
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.getName ()Ljava/lang/String;
             ASTORE 5
             L14
             LINENUMBER 38 L14
             ALOAD 5
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L15
             LINENUMBER 40 L15
             ALOAD 2
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.getYear ()I
             ISTORE 6
             L16
             LINENUMBER 41 L16
             ILOAD 6
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (I)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L17
             LINENUMBER 43 L17
             ALOAD 2
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.isUsed ()Z
             ISTORE 7
             L18
             LINENUMBER 44 L18
             ILOAD 7
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Z)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L19
             LINENUMBER 46 L19
             ALOAD 2
             INVOKESTATIC edu/cmu/cs/mvelezce/implicit/Car.copy (Ledu/cmu/cs/mvelezce/implicit/Car;)Ledu/cmu/cs/mvelezce/implicit/Car;
             ASTORE 8
             L20
             LINENUMBER 47 L20
             ALOAD 8
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L21
             LINENUMBER 49 L21
             ILOAD 6
             I2L
             LDC 10
             LADD
             LSTORE 9
             L22
             LINENUMBER 50 L22
             LLOAD 9
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (J)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L23
             LINENUMBER 52 L23
             ALOAD 8
             ILOAD 6
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.setYear (I)V
             LINENUMBER 53 L24
             ALOAD 8
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L25
             LINENUMBER 55 L25
             ALOAD 8
             ALOAD 5
             INVOKEVIRTUAL java/lang/String.toUpperCase ()Ljava/lang/String;
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.setName (Ljava/lang/String;)V
             L26
             LINENUMBER 56 L26
             ALOAD 8
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L27
             LINENUMBER 58 L27
             ALOAD 8
             ALOAD 2
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.equals (Ljava/lang/Object;)Z
             ISTORE 11
             L28
             LINENUMBER 59 L28
             ILOAD 11
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Z)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L29
             LINENUMBER 61 L29
             ALOAD 2
             ILOAD 3
             ILOAD 6
             IADD
             INVOKEVIRTUAL edu/cmu/cs/mvelezce/implicit/Car.setYear (I)V
             LINENUMBER 62 L30
             ALOAD 2
             INVOKESTATIC edu/columbia/cs/psl/phosphor/runtime/MultiTainter.getTaint (Ljava/lang/Object;)Ledu/columbia/cs/psl/phosphor/runtime/Taint;
             ASTORE 4
             L31
             LINENUMBER 63 L31
             RETURN
             L32
```

entry

exit