```
entry
```

```
L0
LINENUMBER 16 L0
ICONST_0
INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.A_0 (Z)Z
ISTORE 0
L1
LINENUMBER 17 L1
ICONST_1
INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.B_1 (Z)Z
ISTORE 1
L2
LINENUMBER 21 L2
ILOAD 0
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Entering edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V.0"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
IFEQ L3
```

```
L4
LINENUMBER 22 L4
NEW edu/cmu/cs/mvelezce/implicit/Car
DUP
LDC "ford"
SIPUSH 2019
ICONST_0
INVOKESPECIAL edu/cmu/cs/mvelezce/implicit/Car.<init> (Ljava/lang/String;IZ)V
ASTORE 2
L5
GOTO L6
```

```
L3
LINENUMBER 25 L3
FRAME APPEND [1 I]
NEW edu/cmu/cs/mvelezce/implicit/Car
DUP
LDC "toyota"
SIPUSH 2014
ICONST_1
INVOKESPECIAL edu/cmu/cs/mvelezce/implicit/Car.<init> (Ljava/lang/String;IZ)V
ASTORE 2
```

```
L6
FRAME APPEND [edu/cmu/cs/mvelezce/implicit/Car]
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Exiting edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V.0"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L7
LINENUMBER 28 L7
ILOAD 1
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Entering edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V.1"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
IFEQ L8
```

```
L8
LINENUMBER 32 L8
FRAME SAME
BIPUSH 10
ISTORE 3
```

```
L9
LINENUMBER 29 L9
BIPUSH 20
ISTORE 3
L10
GOTO L11
```

```
L11
FRAME APPEND [I]
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Exiting edu/cmu/cs/mvelezce/implicit/StringOps.carOps()V.1"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)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
L24
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
L30
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
```

```
exit
```