entry LINENUMBER 8 L0 ALOAD 0 ICONST\_0 AALOAD INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.A 0 (Z)Z ISTORE 1 L1 LINENUMBER 9 L1 ALOAD 0 ICONST\_1 **AALOAD** INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.B\_1 (Z)Z ISTORE 2 L2 LINENUMBER 10 L2 ALOAD 0 ICONST\_2 AALOAD INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean; INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z INVOKESTATIC edu/cmu/cs/mvelezce/taints/Sources.C 2 (Z)Z ISTORE 3 LINENUMBER 16 L3 ILOAD 1 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFEQEval (I)V IFEQ L4 LINENUMBER 17 L5 LINENUMBER 20 L4 ICONST\_5 FRAME APPEND [I I I] ISTORE 4 BIPUSH 10 L6 ISTORE 4 GOTO L7 FRAME APPEND [I] LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LINENUMBER 23 L8 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFEQEval (I)V IFEQ L9 LINENUMBER 24 L10 LINENUMBER 27 L9 ICONST 1 FRAME SAME ISTORE 5 ICONST\_2 L11 ISTORE 5 GOTO L12 L12 FRAME APPEND [I] LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LINENUMBER 30 L13 ILOAD 3 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFEQEval (I)V IFEQ L14 L15 L14 LINENUMBER 31 L15 LINENUMBER 34 L14 ICONST\_5 FRAME SAME INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; ICONST 0 **ASTORE 6** INVOKESTATIC java/lang/Integer.valueOf (I)Ljava/lang/Integer; L16 ASTORE 6 GOTO L17 FRAME APPEND [java/lang/Integer] LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LINENUMBER 37 L18 ICONST\_0 ISTORE 7 L19 LINENUMBER 38 L19 ALOAD 6 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFNULLEval (Ljava/lang/Object;)V L21 LINENUMBER 39 L21 ALOAD 6 INVOKEVIRTUAL java/lang/Integer.intValue ()I ISTORE 7 L20 FRAME APPEND [I] LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LINENUMBER 42 L22 ILOAD 7 ICONST\_1 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIF\_ICMPLTEval (II)V IF\_ICMPLT L23 ILOAD 7 BIPUSH 10 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIF\_ICMPGTEval (II)V IF\_ICMPGT L23 L24 LINENUMBER 43 L24 ILOAD 5 LINENUMBER 58 L23 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" FRAME SAME BIPUSH 6 GETSTATIC java/lang/System.out : Ljava/io/PrintStream; INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V LDC "Out of range" DUP INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFLEEval (I)V IFLE L25 ILOAD 7 ILOAD 4 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" BIPUSH 7 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIF\_ICMPNEEval (II)V IF\_ICMPNE L25 L25 LINENUMBER 48 L25 FRAME SAME IINC 5 -1 L29 LINENUMBER 49 L29 ILOAD 5 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" BIPUSH 8 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.enterDecision (Ljava/lang/String;I)V INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.logIFLEEval (I)V IFLE L30 L30 L31 LINENUMBER 53 L30 LINENUMBER 50 L31 FRAME SAME GETSTATIC java/lang/System.out : Ljava/io/PrintStream; GETSTATIC java/lang/System.out : Ljava/io/PrintStream; LDC "Try again" LDC "Game over!" INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V GOTO L32 GOTO L32 L26 LINENUMBER 44 L26 ICONST\_0 L32 ISTORE 5 FRAME SAME L27 LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" LINENUMBER 45 L27 GETSTATIC java/lang/System.out : Ljava/io/PrintStream; INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LDC "You win!" INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V GOTO L28 L28 FRAME SAME LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" BIPUSH 7 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" BIPUSH 6 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V LDC "edu/cmu/cs/mvelezce/analysis/GuessANumber.main([Ljava/lang/String;)V" BIPUSH 4 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.exitDecision (Ljava/lang/String;I)V L33 LINENUMBER 60 L33 INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/taint/java/groundtruth/SubtracesLogger.saveTrace ()V RETURN L34

exit