

OrOperator.java - AndOperator.java

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1/*****
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3 * All rights reserved. This program and the accompanying materials
4 * are made available under the terms of the Eclipse Public License v1.0
5 * which accompanies this distribution, and is available at
6 * http://www.eclipse.org/legal/epl-v10.html
7 *
8 * Contributors:
9 *   IBM Corporation - initial API and implementation
10 *****/
11 package org.eclipse.jdt.internal.debug.eval.ast.instructions;
12
13 import org.eclipse.jdt.debug.core.IJavaPrimitiveValue;
14 import org.eclipse.jdt.debug.core.IJavaValue;
15
16 public class OrOperator extends BinaryOperator {
17     public OrOperator(int resultId, int leftTypeId, int rightTypeId, int start) {
18         this(resultId, leftTypeId, rightTypeId, false, start);
19     }
20
21     protected OrOperator(int resultId, int leftTypeId, int rightTypeId, boolean
isAssignmentOperator, int start) {
22         super(resultId, leftTypeId, rightTypeId, isAssignmentOperator, start);
23     }
24
25     /*
26      * @see BinaryOperator#getBooleanResult(IJavaValue, IJavaValue)
27      */
28     protected boolean getBooleanResult(IJavaValue leftOperand, IJavaValue
rightOperand) {
29         return ((IJavaPrimitiveValue) leftOperand).getBooleanValue() ||
((IJavaPrimitiveValue) rightOperand).getBooleanValue();
30     }
31
32     /*
33      * @see BinaryOperator#getDoubleResult(IJavaValue, IJavaValue)
34      */
35     protected double getDoubleResult(IJavaValue leftOperand, IJavaValue
rightOperand) {
36         return 0;
37     }
38
39     /*
40      * @see BinaryOperator#getFloatResult(IJavaValue, IJavaValue)
41      */
42     protected float getFloatResult(IJavaValue leftOperand, IJavaValue rightOperand)
{
43         return 0;
44     }
45
46     /*
47      * @see BinaryOperator#getIntResult(IJavaValue, IJavaValue)
48      */
49     protected int getIntResult(IJavaValue leftOperand, IJavaValue rightOperand) {
50         return ((IJavaPrimitiveValue) leftOperand).getIntValue() ||

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5 * which accompanies this distribution, and is available at
6 * http://www.eclipse.org/legal/epl-v10.html
7 *
8 * Contributors:
9 *   IBM Corporation - initial API and implementation
10 *****/
11 package org.eclipse.jdt.internal.debug.eval.ast.instructions;
12
13 import org.eclipse.jdt.debug.core.IJavaPrimitiveValue;
14 import org.eclipse.jdt.debug.core.IJavaValue;
15
16 public class AndOperator extends BinaryOperator {
17     public AndOperator(int resultId, int leftTypeId, int rightTypeId, int start) {
18         this(resultId, leftTypeId, rightTypeId, false, start);
19     }
20
21     protected AndOperator(int resultId, int leftTypeId, int rightTypeId, boolean
isAssignmentOperator, int start) {
22         super(resultId, leftTypeId, rightTypeId, isAssignmentOperator, start);
23     }
24
25     /*
26      * @see BinaryOperator#getBooleanResult(IJavaValue, IJavaValue)
27      */
28     protected boolean getBooleanResult(IJavaValue leftOperand, IJavaValue
rightOperand) {
29         return ((IJavaPrimitiveValue) leftOperand).getBooleanValue() &
((IJavaPrimitiveValue) rightOperand).getBooleanValue();
30     }
31
32     /*
33      * @see BinaryOperator#getDoubleResult(IJavaValue, IJavaValue)
34      */
35     protected double getDoubleResult(IJavaValue leftOperand, IJavaValue
rightOperand) {
36         return 0;
37     }
38
39     /*
40      * @see BinaryOperator#getFloatResult(IJavaValue, IJavaValue)
41      */
42     protected float getFloatResult(IJavaValue leftOperand, IJavaValue rightOperand)
{
43         return 0;
44     }
45
46     /*
47      * @see BinaryOperator#getIntResult(IJavaValue, IJavaValue)
48      */
49     protected int getIntResult(IJavaValue leftOperand, IJavaValue rightOperand) {
50         return ((IJavaPrimitiveValue) leftOperand).getIntValue() &

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51 ((IJavaPrimitiveValue) rightOperand).getIntValue();
52 }
53
54 /*
55  * @see BinaryOperator#getLongResult(IJavaValue, IJavaValue)
56  */
57 protected long getLongResult(IJavaValue leftOperand, IJavaValue rightOperand) {
58     return ((IJavaPrimitiveValue) leftOperand).getLongValue() |
59     ((IJavaPrimitiveValue) rightOperand).getLongValue();
60 }
61
62 /*
63  * @see BinaryOperator#getStringResult(IJavaValue, IJavaValue)
64  */
65 protected String getStringResult(IJavaValue leftOperand, IJavaValue
66 rightOperand) {
67     return null;
68 }
69
70 public String toString() {
71     return InstructionsEvaluationMessages.OrOperator____operator_1;
72 }
73

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51 ((IJavaPrimitiveValue) rightOperand).getIntValue();
52 }
53
54 /*
55  * @see BinaryOperator#getLongResult(IJavaValue, IJavaValue)
56  */
57 protected long getLongResult(IJavaValue leftOperand, IJavaValue rightOperand) {
58     return ((IJavaPrimitiveValue) leftOperand).getLongValue() &
59     ((IJavaPrimitiveValue) rightOperand).getLongValue();
60 }
61
62 /*
63  * @see BinaryOperator#getStringResult(IJavaValue, IJavaValue)
64  */
65 protected String getStringResult(IJavaValue leftOperand, IJavaValue
66 rightOperand) {
67     return null;
68 }
69
70 public String toString() {
71     return InstructionsEvaluationMessages.AndOperator____operator_1;
72 }
73

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