

(a)	<b>Original</b>	<b>LOI</b>	<b>LOD</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     public int methodId_0(int param) {         if (fieldId_0 &lt;= param)             return ~fieldId_0;         return fieldId_0;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     public int methodId_0(int param) {         if (fieldId_0 &lt;= param)             return ~~fieldId_0;         return fieldId_0;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     public int methodId_0(int param) {         if (fieldId_0 &lt;= param)             return fieldId_0;         return fieldId_0;     } }</pre>
(b)	<b>Original</b>	<b>ODL</b>	<b>VDL</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             return fieldId_1 / fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             return fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             return fieldId_0;         return param;     } }</pre>
(c)	<b>Original</b>	<b>ROR</b>	<b>SDL</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             return fieldId_1 / fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (false)             return fieldId_1 / fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         //if (fieldId_1 &gt;= param)         //    return fieldId_1 / fieldId_0;         return param;     } }</pre>
(d)	<b>Original</b>	<b>SDL</b>	<b>SDL</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             return fieldId_1 / fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_1 &gt;= param)             // return fieldId_1 / fieldId_0;         return param;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         //if (fieldId_1 &gt;= param)         //    return fieldId_1 / fieldId_0;         return param;     } }</pre>
(e)	<b>Original</b>	<b>AOR</b>	<b>LVR</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 0;      public int methodId_0() {         return fieldId_0 + 1;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 0;      public int methodId_0() {         return fieldId_0 * 1;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 0;      public int methodId_0() {         return fieldId_0 + 0;     } }</pre>
(f)	<b>Original</b>	<b>InlineConstant</b>	<b>RemoveConditionals</b>
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_0 &gt;= param)             fieldId_0 = fieldId_0 + 1;         return fieldId_0;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (fieldId_0 &gt;= param)             fieldId_0 = fieldId_0 + 0;         return fieldId_0;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     protected int fieldId_0 = 2;     protected int fieldId_1 = -2;      public int methodId_0(int param) {         if (false)             fieldId_0 = fieldId_0 + 1;         return fieldId_0;     } }</pre>
(g)	<b>Original</b>	<b>PNC</b>	
	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     private long fieldId_0 = 2;      public long methodId_0(long param) {         if (fieldId_1 &gt;= fieldId_0)             return fieldId_1 * fieldId_0;         return fieldId_0;     }      public long methodId_1(long param) {         return new ClassId_1().fieldId_1;     } }</pre>	<pre>package Package_0; public class ClassId_0 extends ClassId_1 {     private long fieldId_0 = 2;      public long methodId_0(long param) {         if (fieldId_1 &gt;= fieldId_0)             return fieldId_1 * fieldId_0;         return fieldId_0;     }      public long methodId_1(long param) {         return new ClassId_0().fieldId_1;     } }</pre>	