

## Verilog Translator - Bug #9202

ru.ispras.verilog.parser.sample.Pjlcucct11TestCase: java.lang.ArrayIndexOutOfBoundsException: 3

08/10/2018 10:49 AM - Sergey Smolov

<b>Status:</b>	Closed	<b>Start date:</b>	08/10/2018
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Alexander Kamkin	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.1	<b>Published in build:</b>	
<b>Detected in build:</b>	master		
<b>Platform:</b>			

### Description

The testcase stack trace is:

```
java.lang.ArrayIndexOutOfBoundsException: 3
    at ru.ispras.verilog.parser.calculator.VerilogOperations$33.calculate(VerilogOperations.java:718)
    at ru.ispras.fortress.calculator.OperationGroup.calculate(OperationGroup.java:145)
    at ru.ispras.fortress.transformer.Reducer$OperationRule.apply(Reducer.java:148)
    at ru.ispras.fortress.transformer.NodeTransformer.applyRule(NodeTransformer.java:169)
    at ru.ispras.fortress.transformer.NodeTransformer.updateNode(NodeTransformer.java:179)
    at ru.ispras.fortress.transformer.NodeTransformer.onOperationEnd(NodeTransformer.java:227)
    at ru.ispras.fortress.expression.ExprTreeWalker.visitOperation(ExprTreeWalker.java:173)
    at ru.ispras.fortress.expression.ExprTreeWalker.visitNode(ExprTreeWalker.java:123)
    at ru.ispras.fortress.expression.ExprTreeWalker.visitOperation(ExprTreeWalker.java:160)
    at ru.ispras.fortress.expression.ExprTreeWalker.visitNode(ExprTreeWalker.java:123)
    at ru.ispras.fortress.expression.ExprTreeWalker.visit(ExprTreeWalker.java:93)
    at ru.ispras.fortress.transformer.NodeTransformer.walk(NodeTransformer.java:54)
    at ru.ispras.fortress.transformer.Reducer.reduce(Reducer.java:184)
    at ru.ispras.fortress.transformer.Reducer.reduce(Reducer.java:249)
    at ru.ispras.verilog.parser.processor.VerilogExprTransformer.reduce(VerilogExprTransformer.java:78)
    at ru.ispras.verilog.parser.processor.VerilogExprTransformer.transform(VerilogExprTransformer.java:63)
    at ru.ispras.verilog.parser.elaborator.VerilogTransformer.transform(VerilogTransformer.java:180)
    at ru.ispras.verilog.parser.elaborator.VerilogTransformer.transform(VerilogTransformer.java:191)
    at ru.ispras.verilog.parser.elaborator.VerilogTransformer.transform(VerilogTransformer.java:210)
    at ru.ispras.verilog.parser.elaborator.VerilogTransformer.onAssignStatementBegin(VerilogTransformer.java:83)
    at ru.ispras.verilog.parser.walker.VerilogNodeVisitor$3.onBegin(VerilogNodeVisitor.java:265)
    at ru.ispras.verilog.parser.walker.VerilogNodeVisitor.onBegin(VerilogNodeVisitor.java:700)
    at ru.ispras.verilog.parser.core.TreeWalker.onBegin(TreeWalker.java:102)
    at ru.ispras.verilog.parser.core.TreeWalker.start(TreeWalker.java:81)
    at ru.ispras.verilog.parser.elaborator.VerilogTransformer.run(VerilogTransformer.java:54)
    at ru.ispras.verilog.parser.elaborator.VerilogVariableSubstitutor.transform(VerilogVariableSubstitutor.java:47)
    at ru.ispras.verilog.parser.elaborator.VerilogInstantiator.instantiate(VerilogInstantiator.java:105)
    at ru.ispras.verilog.parser.elaborator.VerilogInstantiator.instantiateProcess(VerilogInstantiator.java:83)
    at ru.ispras.verilog.parser.elaborator.VerilogDesign$1$1.next(VerilogDesign.java:181)
    at ru.ispras.verilog.parser.elaborator.VerilogDesign$1$1.next(VerilogDesign.java:169)
    at ru.ispras.verilog.parser.sample.VerilogDesignPrinter.start(VerilogDesignPrinter.java:36)
    at ru.ispras.verilog.parser.VerilogDesignBackends.start(VerilogDesignBackends.java:56)
    at ru.ispras.verilog.parser.VerilogTranslator.start(VerilogTranslator.java:169)
    at ru.ispras.verilog.parser.sample.VerilogPrinter.main(VerilogPrinter.java:45)
    at ru.ispras.verilog.parser.sample.VerilogPrinterTestCase.runTest(VerilogPrinterTestCase.java:
```

```

48)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke(Method.java:498)
  at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:47)
  at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
  at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:44)
  at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
  at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:271)
  at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:70)
  at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:50)
  at org.junit.runners.ParentRunner$3.run(ParentRunner.java:238)
  at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:63)
  at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:236)
  at org.junit.runners.ParentRunner.access$000(ParentRunner.java:53)
  at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:229)
  at org.junit.runners.ParentRunner.run(ParentRunner.java:309)
  at org.gradle.api.internal.tasks.testing.junit.JUnitTestClassExecuter.runTestClass(JUnitTestClassExecuter.java:114)
  at org.gradle.api.internal.tasks.testing.junit.JUnitTestClassExecuter.execute(JUnitTestClassExecuter.java:57)
  at org.gradle.api.internal.tasks.testing.junit.JUnitTestClassProcessor.processTestClass(JUnitTestClassProcessor.java:66)
  at org.gradle.api.internal.tasks.testing.SuiteTestClassProcessor.processTestClass(SuiteTestClassProcessor.java:51)
  at sun.reflect.GeneratedMethodAccessor2.invoke(Unknown Source)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke(Method.java:498)
  at org.gradle.internal.dispatch.ReflectionDispatch.dispatch(ReflectionDispatch.java:35)
  at org.gradle.internal.dispatch.ReflectionDispatch.dispatch(ReflectionDispatch.java:24)
  at org.gradle.internal.dispatch.ContextClassLoaderDispatch.dispatch(ContextClassLoaderDispatch.java:32)
  at org.gradle.internal.dispatch.ProxyDispatchAdapter$DispatchingInvocationHandler.invoke(ProxyDispatchAdapter.java:93)
  at com.sun.proxy.$Proxy2.processTestClass(Unknown Source)
  at org.gradle.api.internal.tasks.testing.worker.TestWorker.processTestClass(TestWorker.java:109)
9)
  at sun.reflect.GeneratedMethodAccessor1.invoke(Unknown Source)
  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke(Method.java:498)
  at org.gradle.internal.dispatch.ReflectionDispatch.dispatch(ReflectionDispatch.java:35)
  at org.gradle.internal.dispatch.ReflectionDispatch.dispatch(ReflectionDispatch.java:24)
  at org.gradle.internal.remote.internal.hub.MessageHub$Handler.run(MessageHub.java:377)
  at org.gradle.internal.concurrent.ExecutorPolicy$CatchAndRecordFailures.onExecute(ExecutorPolicy.java:54)
  at org.gradle.internal.concurrent.StoppableExecutorImpl$1.run(StoppableExecutorImpl.java:40)

```

## History

### #1 - 08/10/2018 01:34 PM - Alexander Kamkin

- Status changed from *New* to *Resolved*

There was a misprint in VerilogOperations.BVEXTRACT: operand[3] -> operand[2].

### #2 - 08/10/2018 01:40 PM - Sergey Smolov

- Status changed from *Resolved* to *Verified*

### #3 - 08/10/2018 01:40 PM - Sergey Smolov

- Status changed from *Verified* to *Closed*