

## Retrascope - Task #10139

### fix coding issues at \*BenchTest classes

03/02/2020 11:28 AM - Sergey Smolov

<b>Status:</b>	Verified	<b>Start date:</b>	03/02/2020
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Maxim Chudnov	<b>% Done:</b>	0%
<b>Category:</b>	Refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.1	<b>Published in build:</b>	
<b>Detected in build:</b>	master		

**Description**

The following issues should be fixed at "\*"BenchTest" test classes:

1. Substitute copy-pasted Javadoc header comments by relevant ones
2. **ru.ispras.retrascope.engine.cfg.extractor.iface.VhdlCfgExtractorIfaceBenchTest**: parameter getStatistics is never used at runTest method - refactoring is needed
3. There is a branch order for "if" operator that is used in the project. Following the rule, this form:  

```
if (cond) {  
  ...  
} else {  
  ..  
}
```

  
is better than:  

```
if (!cond) {  
  ...  
} else {  
  ..  
}
```

  
Take a look at "\*"BenchTest" classes to fix this rule's violations.
4. Fix "Local variable 'argPaths' is redundant" warning that appears while opening **ru.ispras.retrascope.engine.cfg.transformer.gadd.VerilogCfgGaddBenchTest** class in IntelliJ IDEA. This warning also appears at other "\*"BenchTest" classes too. Other warnings that are produced by IntelliJ IDEA are also worth to be fixed.
5. Having expressions like "!x.endsWith(y) && !x.endsWith(z) && !x.endsWith(w) && ..." you should rewrite them with single "!x.matches(..)" expression. Take a look at regular expressions in Java.

## History

### #1 - 03/02/2020 11:39 AM - Sergey Smolov

CheckStyle violation is detected:

```
$ ./gradlew checkStyle
```

```
> Task :checkstyleTest  
[ant:checkstyle] /home/ssedai/Downloads/retrascope/src/test/java/ru/ispras/retrascope/engine/cfg/extractor/iface/VhdlCfgExtractorIfaceBenchTest.java:61: warning: 'if' construct must use '{}'  
Checkstyle rule violations were found. See the report at: file:///home/ssedai/Downloads/retrascope/build/reports/checkstyle/test.html  
Checkstyle files with violations: 1  
Checkstyle violations by severity: [warning:1]
```

### #2 - 03/06/2020 12:34 PM - Maxim Chudnov

- Status changed from New to Resolved

### #3 - 03/06/2020 02:14 PM - Sergey Smolov

- Status changed from Resolved to Verified