

MicroTESK for RISC-V - Bug #9841

java.lang.NullPointerException at AllocatorEngine.java:303

09/26/2019 03:44 PM - Alexander Protsenko

Status:	Feedback	Start date:	09/26/2019
Priority:	Normal	Due date:	
Assignee:	Alexander Protsenko	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	0.1	Spent time:	0.00 hour
Detected in build:	svn	Published in build:	
Platform:			

Description

Ошибка:

```
--- Running Execution from Test Case 5686 (boundary_autogentemplate.rb:246) ---
```

```
----- Instance 0 -----
```

Execution status: 0x0000000080002878

```
0x0000000080002878 li a6, 0x7fffffffffffffff
0x0000000080002898 li s11, 0x7fffffffffffffff
0x00000000800028b8 xor a7, a6, s11
```

```
----- Processing Abstract Sequence (Instance 0) -----
```

```
*****
```

```
ATTENTION! An unexpected error has occurred:
java.lang.NullPointerException: null
```

```
The program will be terminated. Please contact us at:
microtesk-support@ispras.ru
We are sorry for the inconvenience.
```

Exception stack:

```
java.lang.NullPointerException
  at ru.ispras.microtesk.test.engine.allocator.AllocatorEngine.allocateUnknownValues (ru/ispras/microtesk/test/engine/allocator/AllocatorEngine.java:303)
  at ru.ispras.microtesk.test.engine.allocator.AllocatorEngine.allocateUnknownValues (ru/ispras/microtesk/test/engine/allocator/AllocatorEngine.java:281)
  at ru.ispras.microtesk.test.engine.allocator.AllocatorEngine.allocate (ru/ispras/microtesk/test/engine/allocator/AllocatorEngine.java:183)
  at ru.ispras.microtesk.test.engine.SequenceProcessor.allocateRegisters (ru/ispras/microtesk/test/engine/SequenceProcessor.java:320)
  at ru.ispras.microtesk.test.engine.SequenceProcessor.allocateResources (ru/ispras/microtesk/test/engine/SequenceProcessor.java:309)
  at ru.ispras.microtesk.test.engine.SequenceProcessor.expandAbstractSequence (ru/ispras/microtesk/test/engine/SequenceProcessor.java:299)
  at ru.ispras.microtesk.test.engine.SequenceProcessor.process (ru/ispras/microtesk/test/engine/SequenceProcessor.java:79)
  at ru.ispras.microtesk.test.TemplateProcessor.processPostponedBlock (ru/ispras/microtesk/test/TemplateProcessor.java:406)
  at ru.ispras.microtesk.test.TemplateProcessor.processPostponedBlocks (ru/ispras/microtesk/test/TemplateProcessor.java:306)
  at ru.ispras.microtesk.test.TemplateProcessor.finish (ru/ispras/microtesk/test/TemplateProcessor.java:194)
  at ru.ispras.microtesk.test.template.Template.endMainSection (ru/ispras/microtesk/test/template/Template.java:213)
  at jdk.internal.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
```

```
at RUBY.generate(C:/!microtesk/MicroTESK-RISC-V/microtesk-riscv/microtesk-riscv/build/target/lib/ruby/template.rb:1066)
at RUBY.main(C:/!microtesk\MicroTESK-RISC-V\microtesk-riscv\microtesk-riscv\build\target\lib\ruby\microtesk.rb:33)
at org.jruby.RubyHash.each(org/jruby/RubyHash.java:1342)
at RUBY.main(C:/!microtesk\MicroTESK-RISC-V\microtesk-riscv\microtesk-riscv\build\target\lib\ruby\microtesk.rb:29)
at RUBY.(root)(C:/!microtesk\MicroTESK-RISC-V\microtesk-riscv\microtesk-riscv\build\target\lib\ruby\microtesk.rb:52)
at ru.ispras.microtesk.RubyRunner.run(ru/ispras/microtesk/RubyRunner.java:62)
at ru.ispras.microtesk.ScriptRunner.run(ru/ispras/microtesk/ScriptRunner.java:43)
at ru.ispras.microtesk.test.TestEngine.generate(ru/ispras/microtesk/test/TestEngine.java:172)
at ru.ispras.microtesk.MicroTESK.generate(ru/ispras/microtesk/MicroTESK.java:284)
at ru.ispras.microtesk.MicroTESK.runTask(ru/ispras/microtesk/MicroTESK.java:131)
at ru.ispras.microtesk.MicroTESK.main(ru/ispras/microtesk/MicroTESK.java:79)
```

History

#1 - 09/26/2019 04:23 PM - Alexander Protsenko

- Assignee set to Alexander Protsenko
- Status changed from New to Feedback

Предположительно: проблема в работе системных инструкций RISC-V.
 (Последнее обновление оных, связанное с добавлением возможности изменения системных регистров, повлекло ряд подобных ошибок.)

#2 - 01/10/2020 04:02 PM - Alexander Kamkin

- Target version set to 0.1