

MicroTESK - Bug #10643

Некорректная диагностика: java.lang.IllegalArgumentException: null

12/25/2020 01:24 PM - Alexander Protsenko

Status:	Resolved	Start date:	12/25/2020
Priority:	Normal	Due date:	
Assignee:	Alexander Kamkin	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2.5	Spent time:	0.00 hour
Detected in build:	git	Published in build:	
Platform:			

Description

Ошибка лог:

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

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

Exception stack:

```
java.lang.IllegalArgumentException  
    at ru.ispras.fortress.util.InvariantChecks.checkTrue (InvariantChecks.java:54)  
    at ru.ispras.fortress.util.InvariantChecks.checkTrue (InvariantChecks.java:38)  
    at ru.ispras.fortress.util.InvariantChecks.checkNotNull (InvariantChecks.java:95)  
    at ru.ispras.microtesk.translator.nml.antlrex.TypeCast.getFortressDataType (TypeCast.java:218)  
    at ru.ispras.microtesk.translator.nml.antlrex.LocationFactory.newLocationExpr (LocationFactory.  
java:366)  
    at ru.ispras.microtesk.translator.nml.antlrex.LocationFactory.location (LocationFactory.java:85  
)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.locationAtom (NmlTreeWalker.java:59  
84)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.locationVal (NmlTreeWalker.java:584  
6)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.locationExpr (NmlTreeWalker.java:57  
25)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.atom (NmlTreeWalker.java:5213)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.numExpr (NmlTreeWalker.java:4471)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.expr (NmlTreeWalker.java:4123)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.dataExpr (NmlTreeWalker.java:4055)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.formatId (NmlTreeWalker.java:2783)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.formatIdList (NmlTreeWalker.java:25  
71)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.attrExpr (NmlTreeWalker.java:2510)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.imageDef (NmlTreeWalker.java:2346)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.attrDef (NmlTreeWalker.java:2152)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.attrDefList (NmlTreeWalker.java:204  
4)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.opSpecPart (NmlTreeWalker.java:1740  
)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.opDef (NmlTreeWalker.java:1629)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.procSpec (NmlTreeWalker.java:463)  
    at ru.ispras.microtesk.translator.nml.grammar.NmlTreeWalker.startRule (NmlTreeWalker.java:293)  
    at ru.ispras.microtesk.translator.nml.NmlTranslator.startParserAndWalker (NmlTranslator.java:18  
1)  
    at ru.ispras.microtesk.translator.nml.NmlTranslator.start (NmlTranslator.java:126)  
    at ru.ispras.microtesk.translator.Translator.translate (Translator.java:201)  
    at ru.ispras.microtesk.MicroTESK.translate (MicroTESK.java:150)
```

```
at ru.ispras.microtesk.MicroTESK.runTask(MicroTESK.java:142)
at ru.ispras.microtesk.MicroTESK.main(MicroTESK.java:80)
```

Ошибка:

```
internal op op_imm8_16_32(opcode: opcode_type, imm: IMM8_16_32)
  image = format("%8s%s", opcode, imm)
```

Корректный вариант:

```
internal op op_imm8_16_32(opcode: opcode_type, imm: IMM8_16_32)
  image = format("%8s%s", opcode, imm.image)
```

History

#1 - 12/29/2020 04:09 PM - Alexander Kamkin

- Status changed from New to Resolved

Error message if a location type is null.

#2 - 12/30/2020 10:33 AM - Alexander Protsenko

- Status changed from Resolved to Open

Полная ситуация (для простоты отладки, работает для любой архитектуры):

```
mode IMM8 (i: card(8))
  syntax = format("%d", i)
  image = format("%8s", i)
```

```
mode IMM16 (i: card(16))
  syntax = format("%d", i)
  image = format("%16s", i)
```

```
mode IMM8_16 = IMM8
  | IMM16
```

```
internal op op_imm8_16_32(opcode: card(8), imm: IMM8_16)
  image = format("%8s%s", opcode, imm)
```

Новый вид ошибки:

```
46:35 ERROR (SEMANTIC): "Location imm is of unknown type"
46:35 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'imm'."
46:11 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'imm'."
```

Нужно добавить имя файла в лог ошибки, откуда эти строчки ("46").

#3 - 12/30/2020 12:21 PM - Alexander Protsenko

- Status changed from Open to Resolved

Bug [#10657](#)