

MicroTESK for RISC-V - Bug #10096

The imm argument of addi has invalid type Type.CARD(12) while Type.INT(12) is expected

02/04/2020 07:03 PM - Alexander Protsenko

Status:	Resolved	Start date:	02/04/2020
Priority:	Normal	Due date:	
Assignee:	Alexander Kamkin	% 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			
Bug #10095 fixed.			
New bug found:			
<pre>riscv_rvc.nml 446:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 446:10 no viable alternative at input '('" riscv_rvc.nml 446:4 ERROR (PARSER): "" riscv_rvc.nml 446:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 446:10 no viable alternative at input '('" riscv_rvc.nml 446:11 ERROR (PARSER): "" riscv_rvc.nml 446:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 446:13 no viable alternative at input ', '" riscv_rvc.nml 446:11 ERROR (PARSER): "" riscv_rvc.nml 446:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 446:13 no viable alternative at input ', '" riscv_rvc.nml 446:18 ERROR (PARSER): "" riscv_rvc.nml 497:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 497:10 no viable alternative at input '('" riscv_rvc.nml 497:4 ERROR (PARSER): "" riscv_rvc.nml 497:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 497:10 no viable alternative at input '('" riscv_rvc.nml 497:11 ERROR (PARSER): "" riscv_rvc.nml 497:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 497:13 no viable alternative at input ', '" riscv_rvc.nml 497:11 ERROR (PARSER): "" riscv_rvc.nml 497:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 497:13 no viable alternative at input ', '" riscv_rvc.nml 497:18 ERROR (PARSER): "" riscv_rvc.nml 933:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 933:10 no viable alternative at input '('" riscv_rvc.nml 933:4 ERROR (PARSER): "" riscv_rvc.nml 933:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 933:10 no viable alternative at input '('" riscv_rvc.nml 933:11 ERROR (PARSER): "" riscv_rvc.nml 933:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 933:13 no viable alternative at input ', '" riscv_rvc.nml 933:11 ERROR (PARSER): "" riscv_rvc.nml 933:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\ arch\riscv\model\riscv_rvc.nml line 933:13 no viable alternative at input ', '" riscv_rvc.nml 933:18 ERROR (PARSER): "" 166:4 ERROR (SEMANTIC): "The imm argument of addi has invalid type Type.CARD(12) while Type.INT(1 2) is expected." 0:-1 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'addi(X(zero_extend(card(5), rd.i)+8), X(2), zero_extend(card(12), nzuimm<9..2><<2)).'" 0:-1 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'addi(X(zero_extend(card(5), rd.i)+8), X(2), zero_extend(card(12), nzuimm<9..2><<2)).action'." 0:-1 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'addi(X(zero_extend(card(5), rd.i)+8), X(2), zero_extend(card(12), nzuimm<9..2><<2)).action'."</pre>			

```
165:2 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): '{addi(X(zero_extend(card(5),rd.i)+8),X(2),zero_extend(card(12),nzuimm<9..2>><<2>).action;)}'."
165:2 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): '{addi(X(zero_extend(card(5),rd.i)+8),X(2),zero_extend(card(12),nzuimm<9..2>><<2>).action;)}'."
165:2 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'action={addi(X(zero_extend(card(5),rd.i)+8),X(2),zero_extend(card(12),nzuimm<9..2>><<2>).action;)}'."
158:3 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'init={assert(nzuimm!=0,C.ADDI4SPN: nzuimm == 0);assert(nzuimm<1..0>==0,C.ADDI4SPN: nzuimm<1..0> != 0);}syntax=format(c.addi4spn %s, %s, %d,rd.syntax,X(2).syntax,nzuimm)image=format(000%2s%4s%1s%1s%3s00,nzuimm<5..4>,nzuimm<9..6>,nzuimm<2>,nzuimm<3>,rd.image)action={addi(X(zero_extend(card(5),rd.i)+8),X(2),zero_extend(card(12),nzuimm<9..2>><<2>).action;)}'."
158:3 ERROR (SEMANTIC): "Failed to recognize the grammar structure (ignored): 'opc_addi4spn(rd:CX,nzuimm:card(10))init={assert(nzuimm!=0,C.ADDI4SPN: nzuimm == 0);assert(nzuimm<1..0>==0,C.ADDI4SPN: nzuimm<1..0> != 0);}syntax=format(c.addi4spn %s, %s, %d,rd.syntax,X(2).syntax,nzuimm)image=format(000%2s%4s%1s%1s%3s00,nzuimm<5..4>,nzuimm<9..6>,nzuimm<2>,nzuimm<3>,rd.image)action={addi(X(zero_extend(card(5),rd.i)+8),X(2),zero_extend(card(12),nzuimm<9..2>><<2>).action;)}'."
```

FAILURE: Build failed with an exception.

* What went wrong:

Execution failed for task ':translateRISCV'.

> Process 'command 'C:\Program Files\Java\jdk-11.0.5\bin\java.exe'' finished with non-zero exit value -1

* Try:

Run with --stacktrace option to get the stack trace. Run with --info or --debug option to get more log output. Run with --scan to get full insights.

* Get more help at <https://help.gradle.org>

BUILD FAILED in 36s

Associated revisions

Revision 8d33d12b - 02/04/2020 07:51 PM - Alexander Protsenko

Bug #10096 updated

Signed-off-by: Protsenko <protsenko@ispras.ru>

History

#1 - 02/04/2020 07:29 PM - Alexander Protsenko

- Assignee changed from Alexander Kamkin to Alexander Protsenko

riscv_rvc.nml 158:

```
op c_addi4spn(rd: CX, nzuimm: card(10))
  init = {
    assert(nzuimm != 0, "C.ADDI4SPN: nzuimm == 0");
    assert(nzuimm<1..0> == 0, "C.ADDI4SPN: nzuimm<1..0> != 0");
  }
  syntax = format("c.addi4spn %s, %s, %d", rd.syntax, X(2).syntax, nzuimm)
  image = format("000%2s%4s%1s%1s%3s00", nzuimm<5..4>, nzuimm<9..6>, nzuimm<2>, nzuimm<3>, rd.image)
  action = {
    addi(
      X(zero_extend(card(5), rd.i) + 8),
      X(2), zero_extend(card(12), nzuimm<9..2>><<2>).action;
    )
  }
```

#2 - 02/04/2020 07:53 PM - Alexander Protsenko

- Assignee changed from Alexander Protsenko to Alexander Kamkin

- Status changed from New to Open

[8d33d12b](#)

Часть ошибки исправлена, осталось:

```
riscv_rvc.nml 446:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\src\main\arch\riscv\model
\riscv_rvc.nml line 446:10 no viable alternative at input '('"
riscv_rvc.nml 446:4 ERROR (PARSER): ""
riscv_rvc.nml 446:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\src\main\arch\riscv\model
\riscv_rvc.nml line 446:10 no viable alternative at input '('"
riscv_rvc.nml 446:11 ERROR (PARSER): ""
riscv_rvc.nml 446:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\src\main\arch\riscv\model
\riscv_rvc.nml line 446:13 no viable alternative at input ','"
riscv_rvc.nml 446:11 ERROR (PARSER): ""
riscv_rvc.nml 446:13 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\src\main\arch\riscv\model
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riscv_rvc.nml 497:10 ERROR (PARSER): "C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\src\main\arch\riscv\model
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\riscv_rvc.nml line 933:13 no viable alternative at input ','"
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\riscv_rvc.nml line 933:13 no viable alternative at input ','"
riscv_rvc.nml 933:18 ERROR (PARSER): ""
```

BUILD FAILED

C:\!microtesk\MicroTESK-RISC-V\microtesk-riscv\build\target\bin\build.xml:47: Compile failed; see the compiler error output for details.

Total time: 13 seconds

#3 - 02/07/2020 04:42 PM - Alexander Kamkin

- Status changed from Open to Resolved