

OpenSMT 2 - Bug #3514

LRALogic.C:614: void LRALogic::splitTermToVarAndConst(const PTRef&, PTRef&, PTRef&): Assertion `isRealTimes(term) || isRealDiv(term) || isRealVar(term) || isConstant(term)' failed.

30/09/2016 12:17 - Karine Even Mendoza

Status:	Resolved	Start date:	30/09/2016
Priority:	Normal	Due date:	
Assignee:	Antti Hyvärinen	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
Code example: hi-bench/main-bench/funfrog_regression/03_simple/main7.c --show-error-trace --unwind 10			
Error:			
Checking claims in program...			
; Warning: disabling SATElite preprocessing to track proof			
; Warning: disabling SATElite preprocessing to track proof			
Checking Claim #1 (100%) ...			
Last assertion location: 30 / 36 (3)			
<ul style="list-style-type: none">• INLINING function: c::__CPROVER_initialize• INLINING function: c::main Processing a deferred function: c::__CPROVER_initialize Processing a deferred function: c::main• INLINING function: c::strncpy Processing a deferred function: c::strncpy Unwinding loop c::strncpy.0 iteration 1 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 2 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 3 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 4 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 5 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 6 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 7 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 8 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 9 file main7.c line 7 function strncpy thread 0 Unwinding loop c::strncpy.0 iteration 10 file main7.c line 7 function strncpy thread 0 SYMEX TIME: 0.028 All SSA steps: 245 Ignored SSA steps after slice: 164 SLICER TIME: 0.001 evolcheck: LRALogic.C:614: void LRALogic::splitTermToVarAndConst(const PTRef&, PTRef&, PTRef&): Assertion `isRealTimes(term) isRealDiv(term) isRealVar(term) isConstant(term)' failed. Aborted (core dumped)			
This is the code:			
<ul style="list-style-type: none">• strncpy example */ //#include <stdio.h> //#include <string.h> #define LEN 2			
<pre>char *strncpy (char *dest, const char *src, int n) { for (int i = 0; i < n; ++i) { *dest = *src; if (!*src) return dest; ++dest; ++src; } return dest; }</pre>			

```
int main () {
char str1[]= "To be ";
char str2[LEN];
strncpy (str2,str1,LEN-1);

assert('T' == str1[0]);

//puts (str2);
return 0;
}
```

I don't think hifrog-ira can cop with it now, and so I expected to have an error from hifrog (or warning) not from opensmt2. Any idea what could be the reason?

Thanks,
Karine

History

#1 - 13/03/2017 18:29 - Antti Hyvärinen

- *Status changed from New to Resolved*

Seems to have solved itself.