

hifrog - Bug #5006

Theoref openSMT BUG: Opensmt supports only up to int size, not more!

15/04/2017 22:22 - Sepideh Asadi

Status:	Closed	Start date:	15/04/2017
Priority:	Normal	Due date:	
Assignee:	Antti Hyvärinen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
./hifrog --theoref Funfrog15_bench/s3.c - --claim 28			
bug:			
hifrog: solvers/smtcheck_opensmt2_cuf.h:115: int mp_integer2int(const mp_integer&): Assertion `ll <= std::numeric_limits<int>::max()' failed.			
Aborted (core dumped)			
~			

History

#1 - 16/04/2017 00:36 - Sepideh Asadi

the same bug with --claim 34 cafe.c

hifrog: solvers/smtcheck_opensmt2_cuf.h:117: int mp_integer2int(const mp_integer&): Assertion `"Framework currently does not support numbers larger than ints" && ll <= std::numeric_limits<int>::max()' failed.

#2 - 16/04/2017 01:07 - Sepideh Asadi

the same bug with --claim 34 tcas_asrt.c

#3 - 18/04/2017 11:48 - Karine Even Mendoza

In file: src/logics/BVLogic.h in OpenSMT.

The fix is in this method:

```
PTRef mkBVConst (const int c) { char* num; opensmt::wordToBinary(c, num, getBitWidth()); PTRef tr = Logic::mkConst(sort_BVNUM, num); free(num); return tr; } // Convert the int c to binary
```

As long as this is not supporting anything larger than int, we cannot do much. The assert is a check before the call for this method.

#4 - 19/04/2017 17:51 - Karine Even Mendoza

- Status changed from New to Closed

- % Done changed from 0 to 100

but resolved. We have new bugs now!