

## hifrog - Bug #7278

### crash in VTT (1)

07/05/2018 17:10 - Sepideh Asadi

<b>Status:</b>	Resolved	<b>Start date:</b>	07/05/2018
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Martin Blichá	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
<b>File:</b> /cprover/regression/funfrog/VTT/P2P_Joints_TG3_e_num_4.c			
<b>how to run:</b> ./hifrog --unwind 10 --sum-theoref			
<b>Error log:</b>			
Verification not successful, here is the last few lines: ...			
Processing a deferred function: sqrt_ Processing a deferred function: sqrt_ SYMEX TIME: 0.708 All SSA steps: 672 Ignored SSA steps after slice: 214 SLICER TIME: 0.007 ; uf_solver query time so far: 0.000000 ; 0   0 0   84.680 s   871.938 MB  ---trying to locally refine the summary in UF---  ---EUF was not enough, lets change the encoding to LRA---  ; Warning: disabling SATElite preprocessing to track proof hifrog: ~/cprover/src/funfrog/solvers/smtcheck_opensmt2.cpp:1090: PTRef smtcheck_opensmt2t::substitute(smt_itpt&, const std::vector<symbol_exprt>&): Assertion `symbols.size() == static_cast<std::size_t>(args.size())' failed. Command terminated by signal 6 time 85.37			

### History

#### #1 - 08/05/2018 11:46 - Karine Even Mendoza

Happens in: PTRef smtcheck\_opensmt2t::substitute(smt\_itpt & itp, const std::vector<symbol\_exprt> & symbols)

no args to substitute, I assume that due to some error we send an empty vector.

#### #2 - 08/05/2018 19:32 - Karine Even Mendoza

args: 4 vs. symbols: 5

```
symbol sqrt_::a
symbol hifrog::fun_start
symbol hifrog::fun_end
symbol hifrog::?err
symbol sqrt_::#return_value
arg sqrt_::a
arg hifrog::fun_start
arg hifrog::fun_end
arg sqrt_::#return_value
```

hifrog: /home/karinek/workspace/sum\_theoref/hifrog/trunk/cprover/src/funfrog/solvers/smtcheck\_opensmt2.cpp:1098: PTRef smtcheck\_opensmt2t::substitute(smt\_itpt&, const std::vector<symbol\_exprt>&): Assertion `symbols.size() == static\_cast<std::size\_t>(args.size())' failed.

Aborted (core dumped)

**#3 - 08/05/2018 20:18 - Karine Even Mendoza**

- Assignee set to *Martin Blich*

**#4 - 09/05/2018 15:41 - Martin Blich**

- Status changed from *New* to *Resolved*

There was a problem when moving from UF to LRA level. When summaries from previous iteration were present even for functions that now had the assertion in its call tree, this method was marked to use that summary, which is incorrect. We do not summarize functions with assertion in its call tree.

See commit 707ab6bc.