

hifrog - Bug #4686

qflra/uf/prop gives wrong result for /main-bench/Funfrog15_bench/token.c

07/03/2017 10:41 - Sepideh Asadi

Status:	Closed	Start date:	07/03/2017
Priority:	Normal	Due date:	
Assignee:	Karine Even Mendoza	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
./hifrog --claim 1 --unwind 1 ~/dev/hi-bench/main-bench/Funfrog15_bench/token.c --logic qflra			
Hifrog gives VERIFICATION FAILED for all the logic qflra/uf/prop			
the correct result is VERIFICATION Successful			

History

#1 - 09/03/2017 20:48 - Karine Even Mendoza

- Assignee set to Karine Even Mendoza

- % Done changed from 0 to 100

globals issues

#2 - 14/03/2017 14:35 - Karine Even Mendoza

- Status changed from New to Resolved

#3 - 01/04/2017 00:25 - Karine Even Mendoza

- Status changed from Resolved to In Progress

- % Done changed from 100 to 70

General problem in prop due to changes in cprover version. LRA works fine.

Processing a deferred function: is_transmit11_triggered

Processing a deferred function: is_transmit12_triggered

Processing a deferred function: is_transmit13_triggered

SYMEX TIME: 2.142

All SSA steps: 11336

Ignored SSA steps after slice: 6530

SLICER TIME: 0.014

Trivial partition (terms size = 1): 224

CONVERSION TIME: 4.381

Post-processing

Solving with OpenSMT2 (QF_BOOL)

; 0 | 0 0 | 10.044 s | 267.953 MB

RESULT

SOLVER TIME: 3.545

hifrog: solvers/prop_itp.cpp:366: void prop_itpt::generalize(const prop_conv_solvert&, const std::vector<symbol_exprt>&): Assertion `renaming[idx] != (0x7fffffff * 2U + 1U)' failed.

Aborted (core dumped)

karinek@karinek-VirtualBox:~/workspace/tools/hi-bench\$./hifrog_theory_ref/hifrog/trunk/cprover/src/funfrog/hifrog --claim 1 --unwind 1 main-bench/Funfrog15_bench/token.c --logic prop

#4 - 04/04/2017 15:00 - Karine Even Mendoza

- Status changed from In Progress to Resolved

- % Done changed from 70 to 100

After (partially) fixed the bug:

Start generating interpolants...INTERPOLATION TIME: 1.597

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; STATISTICS FOR SAT SOLVER

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; Restarts.....: 1
; Conflicts.....: 4
; Decisions.....: 11
; Propagations.....: 17830
; Conflict literals.....: 3
; T-Lemmata learnt.....: 0
; T-Lemmata perm learnt....: 0
; Conflicts learnt.....: 4
; T-conflicts learnt.....: 0
; Average learnts size.....: 0
; Top level literals.....: 13549
; Search time.....: 0 s
; TSolvers time.....: 0 s
; Init clauses.....: 99002
; Variables.....: 41499
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; STATISTICS FOR EUF SOLVER

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; Satisfiable calls.....: 0
; Unsatisfiable calls.....: 0
; egraph time.....: 0 s
; backtrack time.....: 0 s
; explain time.....: 0 s
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; STATISTICS FOR LOGICS

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; Substitutions.....: 0

VERIFICATION SUCCESSFUL

ASSERTION HOLDInitial unwinding bound: 1

Total number of steps: 1

TOTAL TIME FOR CHECKING THIS CLAIM: 16.106

#X: Done.

karinek@karinek-VirtualBox:~/workspace/tools/hi-bench\$./../hifrog_theory_ref/hifrog/trunk/cprover/src/funfrog/hifrog --claim 1 --unwind 1
main-bench/Funfrog15_bench/token.c --logic prop

#5 - 02/05/2017 21:05 - Karine Even Mendoza

- Status changed from Resolved to Closed