

## Issues

| #     | Project | Tracker | Status      | Priority | Subject   | Assignee            | Updated          | Story points |
|-------|---------|---------|-------------|----------|---|---------------------|------------------|--------------|
| 13577 | hifrog  | Bug     | New         | Normal   | prop incorrect result   |                     | 07/10/2019 00:15 |              |
| 13356 | hifrog  | Bug     | Resolved    | Normal   | Bug in Hifrog LRA encoding - resulting assertion violation for a safe bench |                     | 07/10/2019 00:11 |              |
| 10434 | hifrog  | To do   | New         | Normal   | Automatically detect the bound in HiFrog for the sake of completeness       | Sepideh Asadi       | 29/03/2019 14:52 |              |
| 9433  | hifrog  | To do   | New         | Normal   | strong itp-lra-algorithm generates redundant formula                        | Sepideh Asadi       | 28/11/2018 22:43 |              |
| 7864  | hifrog  | To do   | New         | Normal   | investigate the functionality of --no-assert-grouping                       | Sepideh Asadi       | 08/09/2018 20:23 |              |
| 7863  | hifrog  | To do   | New         | Normal   | report system in HiFrog   |                     | 08/09/2018 20:19 |              |
| 7862  | hifrog  | To do   | New         | Normal   | enable summary re-use in CUF  | Sepideh Asadi       | 08/09/2018 20:08 |              |
| 7861  | hifrog  | To do   | New         | Normal   | A minimal necessary unwinding bound   |                     | 07/09/2018 22:19 |              |
| 7860  | hifrog  | To do   | New         | Normal   | follow up in EUF summaries (Grisha's idea)                                  | Sepideh Asadi       | 07/09/2018 22:17 |              |
| 7859  | hifrog  | To do   | New         | Normal   | checks for uninitialized locals in CBMC                                     |                     | 07/09/2018 22:01 |              |
| 7805  | hifrog  | Bug     | New         | Normal   | UFInterpolator.C  | Sepideh Asadi       | 29/08/2018 13:43 |              |
| 7414  | hifrog  | Bug     | In Progress | Normal   | seg fault in reading non-linear elf summary in lra - sum-theoref            |                     | 24/05/2018 14:40 |              |
| 7397  | hifrog  | Bug     | New         | Normal   | seg fault in interpoating   | Sepideh Asadi       | 24/05/2018 02:10 |              |
| 7391  | hifrog  | Bug     | New         | Low      | LRA reading non-linear operations   | Sepideh Asadi       | 22/05/2018 19:27 |              |
| 7280  | hifrog  | Bug     | New         | Normal   | crash in solver in VTT (3)  |                     | 07/05/2018 19:49 |              |
| 7279  | hifrog  | Bug     | Resolved    | Normal   | crash in VTT (2)  |                     | 22/06/2018 10:29 |              |
| 7278  | hifrog  | Bug     | Resolved    | High     | crash in VTT (1)  | Martin Blichá       | 09/05/2018 15:41 |              |
| 7277  | hifrog  | Bug     | New         | Urgent   | timeout in ssh categories; several examples stop in early stages            |                     | 07/05/2018 16:31 |              |
| 7276  | hifrog  | Bug     | Resolved    | Normal   | crash on busybox categories; Ideally we should return UNSUPPORTED!          | Martin Blichá       | 10/05/2018 09:27 |              |
| 7275  | hifrog  | Bug     | New         | Normal   | supposed be UNSAT, but it is SAT  |                     | 08/05/2018 12:31 |              |
| 7274  | hifrog  | Bug     | New         | Normal   | Caught exception: byte_extract flattening with negative offset              |                     | 06/05/2018 02:38 |              |
| 7272  | hifrog  | Bug     | New         | Normal   | unusual long symext time  |                     | 07/05/2018 11:54 |              |
| 7271  | hifrog  | Bug     | Feedback    | Normal   | crash in ldv-challenges as signal 6: what(): map::at                        | Sepideh Asadi       | 07/05/2018 11:52 |              |
| 7116  | hifrog  | Bug     | New         | High     | Segmentation fault in summary reuse in LRA                                  | Antti Hyvärinen     | 19/04/2018 01:56 |              |
| 6932  | hifrog  | Bug     | Resolved    | Normal   | Internal Assertion failure for ddv.c  |                     | 22/06/2018 10:17 |              |
| 6037  | hifrog  | Bug     | New         | Normal   | Error in generating interpolant in svcomp 17                                |                     | 02/01/2018 17:32 |              |
| 5720  | hifrog  | Bug     | Resolved    | High     | Regression Test : reusing LRA summary aborted                               | Martin Blichá       | 13/11/2017 14:11 |              |
| 5549  | hifrog  | Bug     | Closed      | Low      | .   |                     | 29/09/2017 16:43 |              |
| 5548  | hifrog  | Bug     | New         | Low      | in Lattice: supposed to be SAT, but the lattice gives                       |                     | 29/09/2017 16:43 |              |
| 5519  | hifrog  | Bug     | Resolved    | High     | Function summary + UF/LRA does not work                                     | Karine Even Mendoza | 21/08/2017 14:03 |              |
| 5355  | hifrog  | Bug     | New         | Normal   | /regression/hifrog/benchmarks/06_main5.c                                    | Karine Even Mendoza | 09/08/2017 15:07 |              |

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| 5354 | hifrog  | Bug     | Closed      | Low      | inconsistency of HIFROG with CBMC in tcas_asrt.c   | Sepideh Asadi       | 13/08/2017 22:11 |              |
| 5353 | hifrog  | Bug     | Feedback    | Normal   | SAT regression benches have very long runtime with --theoref                                 | Antti Hyvärinen     | 08/08/2017 15:49 |              |
| 5330 | hifrog  | Bug     | New         | Low      | bug in cafe.c related to cprover framework   | Karine Even Mendoza | 09/08/2017 14:57 |              |
| 5327 | hifrog  | Bug     | Feedback    | Normal   | time out in disk.c   | Antti Hyvärinen     | 08/08/2017 15:09 |              |
| 5325 | hifrog  | Bug     | New         | Normal   | Is it because of not supporting pointers?  | Antti Hyvärinen     | 16/06/2017 12:46 |              |
| 5306 | hifrog  | Bug     | Feedback    | Normal   | inconsistency with CBMC is s3.c  | Antti Hyvärinen     | 08/08/2017 15:52 |              |
| 5305 | hifrog  | Bug     | Closed      | Normal   | Bug related to No support for "big" (> 32 bit)   | Sepideh Asadi       | 19/06/2017 14:13 |              |
| 5304 | hifrog  | Bug     | Feedback    | Normal   | crash on ~/hi-bench/main-bench/bench_SATpaper_128/   | Sepideh Asadi       | 16/06/2017 18:07 |              |
| 5218 | hifrog  | Bug     | Feedback    | Normal   | Wrong result in ECA with global vars for Problem01_label38_false-unreach-call.c              | Antti Hyvärinen     | 08/08/2017 16:48 |              |
| 5141 | hifrog  | Bug     | Closed      | Normal   | bug in ntdrivers: Caught exception: symex_assign_rec: unexpected assignment to union member  | Sepideh Asadi       | 26/05/2017 12:33 |              |
| 5107 | hifrog  | Bug     | New         | Normal   | inconsistency in directory: product-lines  | Karine Even Mendoza | 30/05/2017 23:47 |              |
| 5105 | hifrog  | Bug     | Closed      | Normal   | inconsistency of HIFROG with CBMC  | Karine Even Mendoza | 30/05/2017 23:36 |              |
| 5104 | hifrog  | Bug     | Closed      | Low      | Why CBMC does not verify many benches but we do!!! Is there something wrong?                 | Sepideh Asadi       | 16/06/2017 18:16 |              |
| 5101 | hifrog  | Bug     | Closed      | Normal   | Caught exception for disk.c  |                     | 02/05/2017 20:41 |              |
| 5100 | hifrog  | Bug     | Closed      | Normal   | Error: No support for "big" (> 32 bit) integers so far.                                      | Karine Even Mendoza | 02/05/2017 22:41 |              |
| 5099 | hifrog  | Bug     | New         | Low      | prop   | Karine Even Mendoza | 09/08/2017 14:58 |              |
| 5016 | hifrog  | Bug     | Closed      | Normal   | when increasing bitwidth, wrong result is reported   | Sepideh Asadi       | 16/06/2017 18:15 |              |
| 5015 | hifrog  | Bug     | Closed      | Normal   | SAT is reported instead of UNSAT   | Sepideh Asadi       | 16/06/2017 18:14 |              |
| 5014 | hifrog  | Bug     | Closed      | Normal   | bug in /sv-comp16/c/bitvector/   | Sepideh Asadi       | 16/06/2017 18:14 |              |
| 5012 | hifrog  | Bug     | Closed      | Normal   | byte_add_1_true-unreach-call.c   |                     | 03/05/2017 00:28 |              |
| 5010 | hifrog  | Bug     | In Progress | Low      | Theoref bug: GNU MP: Cannot reallocate memory  | Antti Hyvärinen     | 09/06/2017 19:40 |              |
| 5009 | hifrog  | Bug     | Closed      | Normal   | Theoref BUG: wrong result after refinement   | Antti Hyvärinen     | 19/04/2017 18:16 |              |
| 5008 | hifrog  | Bug     | Closed      | Normal   | theoref BuG: tcas_asrt   | Sepideh Asadi       | 02/05/2017 23:12 |              |
| 5007 | hifrog  | Bug     | Closed      | Normal   | theoref BUG : disk.c   |                     | 16/04/2017 09:13 |              |
| 5006 | hifrog  | Bug     | Closed      | Normal   | Theoref openSMT BUG: Opensmt supports only up to int size, not more!                         | Antti Hyvärinen     | 19/04/2017 17:51 |              |
| 5005 | hifrog  | Bug     | Closed      | Low      | MEMORY LIMIT EXCEEDED  | Sepideh Asadi       | 16/06/2017 18:14 |              |
| 4998 | hifrog  | Bug     | Feedback    | Normal   | bug in QF_BOOL: wrong result for prop in benches in directory ntdrivers-simplified           | Antti Hyvärinen     | 09/08/2017 14:55 |              |
| 4997 | hifrog  | Bug     | New         | Low      | --theoref bug : quadratic explosion in ntdrivers-simplified benchmarks                       | Antti Hyvärinen     | 30/05/2017 18:45 |              |
| 4836 | hifrog  | Bug     | Closed      | Normal   | ./hifrog ~/dev/hi-bench/main-bench/funfrog_regression/01_choice/main2_ok.c --claim 1         | Sepideh Asadi       | 19/04/2017 17:31 |              |
| 4809 | hifrog  | Bug     | Closed      | Normal   | long verification time for /hi-bench/main-bench/TACAS17_ex/ex1_1ra.c --claim 1 --logic qflra | Sepideh Asadi       | 26/05/2017 12:34 |              |

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| 4808 | hifrog  | Bug     | Closed | Normal   | core dumped on ./hifrog --claim 2<br>~/dev/hi-bench/main-bench/Funfrog15_bench/mem.c --logic prop | Karine Even Mendoza | 02/05/2017 23:19 |              |
| 4689 | hifrog  | Bug     | Closed | Normal   | Caught exception: symex_assign_rec: unexpected assignment to union member                         | Karine Even Mendoza | 03/05/2017 13:24 |              |
| 4688 | hifrog  | Bug     | Closed | Normal   | ./hifrog --claim 2 ~/dev/hi-bench/main-bench/Funfrog15_bench/mem.c --logic prop/qfuf              | Karine Even Mendoza | 03/04/2017 20:53 |              |
| 4687 | hifrog  | Bug     | Closed | Normal   | qflra/uf/prop gives wrong result for claim 1 of /main-bench/Funfrog15_bench/s3.c                  | Karine Even Mendoza | 01/04/2017 00:21 |              |
| 4686 | hifrog  | Bug     | Closed | Normal   | qflra/uf/prop gives wrong result for /main-bench/Funfrog15_bench/token.c                          | Karine Even Mendoza | 02/05/2017 21:05 |              |
| 4681 | hifrog  | Bug     | Closed | Normal   | wrong result/core dump in Directory:main-bench/funfrog_regression/06_globals                      | Karine Even Mendoza | 05/06/2017 19:34 |              |
| 4679 | hifrog  | Bug     | Closed | Normal   | VERIFICATION FAILED for /main-bench/TACAS17_ex/ex1_1ra.c  | Karine Even Mendoza | 14/03/2017 14:36 |              |