

## Issues

| #     | Project   | Tracker | Status   | Priority | Subject                                                               | Assignee               | Updated          | Story points |
|-------|-----------|---------|----------|----------|-----------------------------------------------------------------------|------------------------|------------------|--------------|
| 10647 | OpenSMT 2 | Bug     | New      | Urgent   | UF benchmark crash                                                    |                        | 11/04/2019 11:18 |              |
| 7277  | hifrog    | Bug     | New      | Urgent   | timeout in ssh categories; several examples stop in early stages      |                        | 07/05/2018 16:31 |              |
| 12972 | cow       | Feature | New      | High     | Implementazione header e footer del CERDD                             |                        | 22/08/2019 10:38 |              |
| 7795  | hifrog    | Bug     | New      | High     | Type constraints option for LA theories                               | Martin Blicha          | 29/08/2018 15:29 |              |
| 7717  | OpenSMT 2 | To do   | New      | High     | Implement theory propagation also for PRODUCE_PROOF version           |                        | 16/08/2018 15:00 |              |
| 7116  | hifrog    | Bug     | New      | High     | Segmentation fault in summary reuse in LRA                            | Antti Hyvärinen        | 19/04/2018 01:56 |              |
| 862   | cow       | Bug     | New      | High     | Cow doesn't compile for Moose Build 43 (PULL REQUEST)                 | Marco Favino           | 06/07/2015 15:01 |              |
| 7278  | hifrog    | Bug     | Resolved | High     | crash in VTT (1)                                                      | Martin Blicha          | 09/05/2018 15:41 |              |
| 5720  | hifrog    | Bug     | Resolved | High     | Regression Test : reusing LRA summary aborted                         | Martin Blicha          | 13/11/2017 14:11 |              |
| 5519  | hifrog    | Bug     | Resolved | High     | Function summary + UF/LRA does not work                               | Karine Even<br>Mendoza | 21/08/2017 14:03 |              |
| 13577 | hifrog    | Bug     | New      | Normal   | prop incorrect result                                                 |                        | 07/10/2019 00:15 |              |
| 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 |              |
| 7760  | hifrog    | Bug     | New      | Normal   | Infinite loop in theory refinement                                    |                        | 24/08/2018 16:05 |              |
| 7728  | hifrog    | To do   | New      | Normal   | Refactor theory refinement code                                       |                        | 21/08/2018 13:36 |              |
| 7601  | hifrog    | To do   | New      | Normal   | Fixing User-defined summaries                                         |                        | 09/07/2018 23:19 |              |
| 7397  | hifrog    | Bug     | New      | Normal   | seg fault in interpoating                                             | Sepideh Asadi          | 24/05/2018 02:10 |              |
| 7280  | hifrog    | Bug     | New      | Normal   | crash in solver in VTT (3)                                            |                        | 07/05/2018 19:49 |              |
| 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 flatting with negative offset          |                        | 06/05/2018 02:38 |              |
| 7272  | hifrog    | Bug     | New      | Normal   | unusual long symext time                                              |                        | 07/05/2018 11:54 |              |
| 6058  | hifrog    | Bug     | New      | Normal   | MemoryException                                                       |                        | 02/01/2018 17:24 |              |
| 6037  | hifrog    | Bug     | New      | Normal   | Error in generating interpolant in svcomp 17                          |                        | 02/01/2018 17:32 |              |

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| 5355  | hifrog           | Bug     | New         | Normal   | /regression/hifrog/benchmarks/06_main5.c                                                                                                                                             | Karine Even Mendoza | 09/08/2017 15:07 |              |
| 5326  | hifrog           | Bug     | New         | Normal   | Seg fault when using slt with eq.                                                                                                                                                    | Antti Hyvärinen     | 16/06/2017 18:03 |              |
| 5325  | hifrog           | Bug     | New         | Normal   | Is it because of not supporting pointers?                                                                                                                                            | Antti Hyvärinen     | 16/06/2017 12:46 |              |
| 5225  | hifrog           | Bug     | New         | Normal   | SAT examples are terminate with "killed" when using the right/correct parameters                                                                                                     | Antti Hyvärinen     | 31/05/2017 10:33 |              |
| 5107  | hifrog           | Bug     | New         | Normal   | inconsistency in directory: product-lines                                                                                                                                            | Karine Even Mendoza | 30/05/2017 23:47 |              |
| 3267  | pre-commit-hooks | Feature | New         | Normal   | Replace Files                                                                                                                                                                        | Sonia Pozzi         | 03/06/2016 23:26 |              |
| 7414  | hifrog           | Bug     | In Progress | Normal   | seg fault in reading non-linear elf summary in lra - sum-theoref                                                                                                                     |                     | 24/05/2018 14:40 |              |
| 13356 | hifrog           | Bug     | Resolved    | Normal   | Bug in Hifrog LRA encoding - resulting assertion violation for a safe bench                                                                                                          |                     | 07/10/2019 00:11 |              |
| 7600  | hifrog           | To do   | Resolved    | Normal   | Cleaning check_sum_theoref_single                                                                                                                                                    |                     | 07/09/2018 21:50 |              |
| 7279  | hifrog           | Bug     | Resolved    | Normal   | crash in VTT (2)                                                                                                                                                                     |                     | 22/06/2018 10:29 |              |
| 7276  | hifrog           | Bug     | Resolved    | Normal   | crash on busybox categories; Ideally we should return UNSUPPORTED!                                                                                                                   | Martin Blichá       | 10/05/2018 09:27 |              |
| 6932  | hifrog           | Bug     | Resolved    | Normal   | Internal Assertion failure for ddv.c                                                                                                                                                 |                     | 22/06/2018 10:17 |              |
| 3514  | OpenSMT 2        | Bug     | Resolved    | Normal   | LRALogic.C:614: void LRALogic::splitTermToVarAndConst(const PTRef&, PTRef&, PTRef&): Assertion `isRealTimes(term)    isRealDiv(term)    isRealVar(term)    isConstant(term)' failed. | Antti Hyvärinen     | 13/03/2017 18:29 |              |
| 3502  | OpenSMT 2        | Bug     | Resolved    | Normal   | Refinement benchmarks: get an exception - Logic::getOriginalAssertion(PTRef): Assertion `flat2orig.find(flat) != flat2orig.end()' failed                                             |                     | 12/09/2016 14:21 |              |
| 3491  | OpenSMT 2        | Bug     | Resolved    | Normal   | Segmentation fault in opensmt when using function summaries                                                                                                                          | Antti Hyvärinen     | 12/09/2016 14:14 |              |
| 3488  | OpenSMT 2        | Bug     | Resolved    | Normal   | SIGSEGV in LRASolver                                                                                                                                                                 | Antti Hyvärinen     | 12/09/2016 13:50 |              |
| 863   | cow              | Bug     | Resolved    | Normal   | Missing Mesh File for Wall2                                                                                                                                                          | Marco Favino        | 07/07/2015 11:36 |              |
| 7271  | hifrog           | Bug     | Feedback    | Normal   | crash in ldv-challenges as signal 6: what(): map::at                                                                                                                                 | Sepideh Asadi       | 07/05/2018 11:52 |              |
| 5353  | hifrog           | Bug     | Feedback    | Normal   | SAT regression benches have very long runtime with --theoref                                                                                                                         | Antti Hyvärinen     | 08/08/2017 15:49 |              |
| 5327  | hifrog           | Bug     | Feedback    | Normal   | time out in disk.c                                                                                                                                                                   | Antti Hyvärinen     | 08/08/2017 15:09 |              |
| 5306  | hifrog           | Bug     | Feedback    | Normal   | inconsistency with CBMC is s3.c                                                                                                                                                      | Antti Hyvärinen     | 08/08/2017 15:52 |              |
| 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 |              |
| 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 |              |
| 7391  | hifrog           | Bug     | New         | Low      | LRA reading non-linear operations                                                                                                                                                    | Sepideh Asadi       | 22/05/2018 19:27 |              |
| 5548  | hifrog           | Bug     | New         | Low      | in Lattice: supposed to be SAT, but the lattice gives                                                                                                                                |                     | 29/09/2017 16:43 |              |

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| 5330 | hifrog    | Bug     | New         | Low      | bug in cafe.c related to cprover framework                             | Karine Even Mendoza | 09/08/2017 14:57 |              |
| 5099 | hifrog    | Bug     | New         | Low      | prop                                                                   | Karine Even Mendoza | 09/08/2017 14:58 |              |
| 4997 | hifrog    | Bug     | New         | Low      | --theoref bug : quadratic explosion in ntdrivers-simplified benchmarks | Antti Hyvärinen     | 30/05/2017 18:45 |              |
| 5010 | hifrog    | Bug     | In Progress | Low      | Theoref bug: GNU MP: Cannot reallocate memory                          | Antti Hyvärinen     | 09/06/2017 19:40 |              |
| 3500 | OpenSMT 2 | Bug     | Resolved    | Low      | Hifrog - prop logic: Assertion `clause_in_A    clause_in_B' failed     | Antti Hyvärinen     | 12/09/2016 14:18 |              |