







```
; Decisions.....: 229
; Propagations.....: 9311
; Conflict literals.....: 354
; T-Lemmata learnt.....: 0
; T-Lemmata perm learnt....: 0
; Conflicts learnt.....: 64
; T-conflicts learnt.....: 0
; Average learnts size.....: 5.3125
; Top level literals.....: 27
; Search time.....: 0 s
; TSolvers time.....: 0 s
; Init clauses.....: 4070
; Variables.....: 1133
; -----
; STATISTICS FOR EUF SOLVER
; -----
; Satisfiable calls.....: 0
; Unsatisfiable calls.....: 0
; egraph time.....: 0 s
; backtrack time.....: 0 s
; explain time.....: 0 s
; # eq classes at the end..: 36754104
; -----
; STATISTICS FOR LOGICS
; -----
; Substitutions.....: 0
FUNCTION SUMMARIES (for 1 calls) WERE SUBSTITUTED SUCCESSFULLY.
```

VERIFICATION SUCCESSFUL  
Initial unwinding bound: 4294967295  
Total number of steps: 1  
TOTAL TIME FOR CHECKING THIS CLAIM: 0.3

Checked Assertion:  
file ex\_float.c line 12 function main  
assertion  
FLOAT\_TYPECAST(z, double, \_\_CPROVER\_rounding\_mode) < 12.4  
#X: Done.  
karinek@karinek-VirtualBox:~/workspace/tools/hifrog\_lra\_lattice/hifrog/trunk/cprover/src/funfrog\$ ./hifrog ex\_float.c --logic prop