hifrog - Bug #7271

crash in ldv-challenges as signal 6: what(): map::at

03/05/2018 18:14 - Sepideh Asadi

Status:	Feedback		**Start date:**	03/05/2018
Priority:	Normal		**Due date:**	
Assignee:	Sepideh Asadi		**% Done:**	70%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

File:
~/hi-bench/challenge-bench/sv-comp17/c/ldv-challenges/linux-3.14__complex_emg__linux-alloc-spinlock__drivers-net-ethernet-via-via-velocity_true-unreach-call.cil.c

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How to run:
./hifrog --sum-theoref --unwind 10   file.c

Error msg:
Use QF_UF logic.
terminate called after throwing an instance of 'std::out_of_range'
what(): map::at
Command terminated by signal 6

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initial observation:
the error is caused by hifrog asking for a goto function which is not known. There is a line of code in the program:
asm volatile ("lfence": : : "memory");

And perhaps it could come from there.

History

#1 - 04/05/2018 16:57 - Karine Even Mendoza

- Status changed from New to Feedback

- Assignee set to Sepideh Asadi

- % Done changed from 0 to 70

I added back the asm_ build-in cprover functions, not sure it is the right thing to do, it can be that we will have performance issues.
Currently it doesn't crash.

#2 - 07/05/2018 11:52 - Karine Even Mendoza

Currently the issue is as bug #7272, shall we unify the reports?