

## hifrog - Bug #5846

### Recursion not working properly

10/11/2017 13:45 - Martin Blicha

<b>Status:</b>	Closed	<b>Start date:</b>	10/11/2017
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
Recursion ignores the max_unwind bound and continues unrolling if the verification is no successful. Source code in the attachment. Run with params: --unwind 2 For prop and qflra it continues unrolling till 4th or 5th iteration where the verification succeeds, for qfuf continues unrolling indefinitely.			

### History

#1 - 13/11/2017 13:59 - Martin Blicha

- Status changed from New to Closed

- % Done changed from 0 to 100

It turns out this is the desired behaviour of HiFrog for recursion. The --unwind bound is only for loops. while the bound for recursion is detected automatically in the process, see:[http://verify.inf.usi.ch/sites/default/files/fedyukovich\\_smbf14.pdf](http://verify.inf.usi.ch/sites/default/files/fedyukovich_smbf14.pdf)

### Files

rec.c	222 Bytes	10/11/2017	Martin Blicha
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