

McScM - Feature # 24: Optimize result verification

Status:	Closed	Priority:	Low
Author:	Grégoire Sutre	Category:	
Created:	07/22/2010	Assignee:	Grégoire Sutre
Updated:	09/25/2012	Due date:	
Subject:	Optimize result verification		
Description:	<p>The verification performed by the Verifier module takes a long time in some cases:</p> <pre><pre> ./bin/mcscm.native -statistics examples/scm/sliding.scm CEGAR: 1577 loops, 1801 nodes, 15544 edges Execution times: 28.69 s (total) 19.31 s (model-checking) 9.34 s (verification) </pre> <pre> ./bin/mcscm.native -statistics examples/scm/ring.scm CEGAR: 1728 loops, 2352 nodes, 19661 edges Execution times: 95.15 s (total) 32.74 s (model-checking) 62.27 s (verification) </pre> In the above <code>_ring.scm_</code> example, the verification of the forward invariant is immediate, the problem comes from the verification of the backward invariant. Even though this verification is only useful for development (and may be disabled by default in the future), some optimization would help. <u>_Suggestions_</u>: * apply minimization before checking the invariant.</pre>		

History

04/08/2011 01:43 pm - Grégoire Sutre

- Start date deleted (07/22/2010)

09/25/2012 04:08 pm - Grégoire Sutre

- Status changed from New to Resolved

- Assignee set to Grégoire Sutre

- Target version set to 1.3

- Estimated time set to 2.00

Fixed in trunk (revision 1552).

09/25/2012 04:11 pm - Grégoire Sutre

- Status changed from Resolved to Closed