

CoCoALib - Bug #1308

test-GFan1 fails

05 Sep 2019 16:27 - John Abbott

Status:	Closed	Start date:	05 Sep 2019
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Portability	Estimated time:	5.20 hours
Target version:	CoCoALib-0.99700	Spent time:	5.10 hours
Description			
<p>I have moved to gfanlib-0.6.2 and now test-GFan1 produces the following error:</p>			
<pre>CDDLIB HAS NOT BEEN INITIALISED!</pre>			
<p>Fix this problem by calling the following function in your initialisation code:</p> <pre>dd_set_global_constants();</pre> <p>(after possibly setting the gmp allocators) and</p> <pre>dd_free_global_constants()</pre> <p>in your deinitialisation code (only available for cddlib version>=094d). This requires the header includes:</p> <pre>#include "cdd/setoper.h" #include "cdd/cdd.h"</pre>			
<p>Alternatively, you may call <code>gfan::initializeCddlibIfRequired()</code> and <code>deinitializeCddlibIfRequired()</code> if gfanlib is the only code using cddlib. If at some point cddlib is no longer required by gfanlib these functions may do nothing. Because deinitialisation is not possible in cddlib <094d, the functions may leak memory and should not be called often.</p>			
<p>This error message will never appear if the initialisation was done properly, and therefore never appear in a shipping version of your software.</p> <pre>test-GFan1: gfanlib_zcone.cpp:64: void gfan::ensureCddInitialisation(): Assertion `0' failed. Aborted (core dumped)</pre>			
<p>This may be non-trivial to fix. Presumably <code>CoCoA::GlobalManager</code> should call the CDD initializer, and its dtor should call the deinitializer...</p>			
Related issues:			
Related to CoCoALib - Bug #1402: gfan: installation problem: configure report...		Closed	24 Jan 2020

History

#1 - 05 Sep 2019 16:29 - John Abbott

How much backward compatibility should be maintained? It might be too tricky; perhaps we should just require that users use gfanlib-0.6.2 or later, with cddlib-0.94j or later?

#2 - 08 Jan 2020 22:54 - John Abbott

- Target version changed from CoCoALib-0.99700 to CoCoALib-0.99800

#3 - 24 Jan 2020 17:23 - John Abbott

I was lucky 5 month ago... now I cannot even compile gfanlib. configure fails :-)

#4 - 24 Jan 2020 17:26 - John Abbott

- Related to Bug #1402: gfan: installation problem: configure reports cdd.h present but cannot be compiled added

#5 - 24 Jan 2020 22:34 - John Abbott

- Status changed from New to Feedback
- Assignee set to John Abbott
- % Done changed from 0 to 90
- Estimated time set to 1.11 h

I blindly followed the advice in the error mesg, and now it seems to work.

Checking in :-)

#6 - 24 Jan 2020 22:34 - John Abbott

- Target version changed from CoCoALib-0.99800 to CoCoALib-0.99700

#7 - 11 Feb 2020 18:28 - John Abbott

- Status changed from Feedback to Closed
- % Done changed from 90 to 100
- Estimated time changed from 1.11 h to 5.20 h

Annd and I spent quite a long time getting the latest versions of CDD and GFAN to compile, and work with CoCoALib. Anna has noted the various steps she took to make it work -- hopefully these will remain valid in the future.

Closing this now.