

CoCoA-5 - Bug #712

External Libs: missing dependencies in Makefiles

18 May 2015 15:24 - John Abbott

<b>Status:</b>	In Progress	<b>Start date:</b>	18 May 2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	10%
<b>Category:</b>	External Libs	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.?.?	<b>Spent time:</b>	0.55 hour
<b>Description</b> The CoCoALib binaries related to Normaliz (e.g. <b>ExternalLibs-Normaliz.o</b> ) do not depend on the Normaliz source files.  So currently, if you change the version of Normaliz, you must delete the corresponding dot-o files inside the CoCoA code tree, and then recompile. Simply recompiling (via <b>make</b> ) does not recognise that the Normaliz files need to be rebuilt.			
<b>Related issues:</b> Related to CoCoALib - Feature #573: Use symbolic links for external libraries			
		<b>Closed</b>	<b>18 Jun 2014</b>

History

#1 - 18 May 2015 15:24 - John Abbott

- Description updated

#2 - 01 Jun 2015 17:50 - Christof Soeger

Depending on the source files would maybe be to much. It can not know how to recompile the external library.

What I would like is a dependency on the compiled libnormaliz.a. So that if I recompile libnormaliz, a make in CoCoALib updates whatever needs an update.

Actually, make-dependencies should already create a dependency on the included headers. But in my tests it didn't. That would also be nice to have.

EDIT:  
It looks like test-normaliz1 now nicely depends on libnormaliz.a, but not the CoCoAInterpreter.

#3 - 17 Feb 2016 11:28 - John Abbott

- Target version changed from CoCoA-5.1.3/4 Jan 2016 to CoCoA-5.2.0 spring 2017

#4 - 02 Sep 2016 14:49 - John Abbott

- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 10

In a perfect world the CoCoA files which connect to external libraries should depend on the corresponding header files; and any executables should depend on the external binary libraries.

Unfortunately, I do not see how to do this in general.  
If the external library is a "local installation" which has been identified by passing in paths to the header files and the binary library, then there should be no problem. If the external library has already been installed "in a standard place" then it could be rather harder to find out the full paths to the files for the dependencies.

Postponing.

**#5 - 13 Oct 2016 13:03 - John Abbott**

- *Target version changed from CoCoA-5.2.0 spring 2017 to CoCoA-5.2.2*

Postponing because I have no idea how to resolve this (certainly not in the near future).

**#6 - 13 Nov 2017 17:00 - John Abbott**

- *Target version changed from CoCoA-5.2.2 to CoCoA-5.2.4*

I'm not even sure if it is worth trying to resolve this... :-/

**#7 - 26 Jul 2018 11:09 - John Abbott**

- *Target version changed from CoCoA-5.2.4 to CoCoA-5.3.0*

**#8 - 01 Oct 2019 14:31 - John Abbott**

- *Target version changed from CoCoA-5.3.0 to CoCoA-5.?.?*