CoCoA-5 - Support #338

MacOS version with static gcc libraries

08 Apr 2013 16:50 - Anna Maria Bigatti

Status:	Closed	**Start date:**	08 Apr 2013
Priority:	High	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	100%
Category:	Portability	**Estimated time:**	8.00 hours
Target version:	CoCoA-5.1.1 Seoul14	**Spent time:**	1.25 hour

Description

Compiling CoCoA-5 with static libraries would avoid annoying multiple releases for 10.5, 10.6, ...
C. Soeger succesfully compiled Normaliz with "-static-libgcc".
If it works for us as well we have to insert this in the configuration.
... and what about external libs?

History

#1 - 08 Apr 2013 16:55 - Anna Maria Bigatti

- % Done changed from 0 to 10

First try in public version 10.6.

#2 - 01 Aug 2013 16:00 - Anna Maria Bigatti

- Status changed from New to In Progress

- Assignee set to Anna Maria Bigatti

- Priority changed from Normal to High

- % Done changed from 10 to 30

#3 - 01 Aug 2013 16:05 - Redmine Admin

- % Done changed from 30 to 10

#4 - 01 Aug 2013 16:55 - John Abbott

On my machine (Mac OS 10.5) the default configuration for CoCoALib uses "-lgmp" (assuming it is installed in a normal place). At link time the linker prefers the dynamic library over the static one. So to obtain an executable wit statically linked GMP, I must configure with an explicit --with-libgmp=/usr/local/lib/libgmp.a thereby forcing the static linking. Of course, on my machine I have installed both static and dynamic GMP libraries (the default for a GMP installation).

I believe this static/dynamic ambiguity exists only for the "shortcuts" to the system installed libraries.

#5 - 25 Mar 2014 17:48 - John Abbott

- Target version changed from CoCoA-5.0.9 to CoCoA-5.1.0 Easter14

#6 - 14 Apr 2014 09:24 - Anna Maria Bigatti

- % Done changed from 10 to 20

I noticed that CoCoAInterpreter for 10.5 works on my 10.6.
... so John fixed it?
What about viceversa?
John: could you download release for 10.6 and see if it works on 10.5?

#7 - 16 Apr 2014 17:21 - John Abbott

I tried cocoa-5.0.9-text-mac10.6.tgz (28 Mar 2014) on my machine; it did not start

```
$ ./CoCoAInterpreter
dyld: unknown required load command 0x80000022
Trace/BPT trap
```

#8 - 17 Apr 2014 18:59 - John Abbott

- Target version changed from CoCoA-5.1.0 Easter14 to CoCoA-5.1.1 Seoul14

- Estimated time set to 8.00 h

#9 - 04 Sep 2014 12:39 - John Abbott

- Status changed from In Progress to Closed

- % Done changed from 20 to 100

Since Mac OS X 10.5 is now more than 5 years old, we have decided to stop worrying about it (for the binary releases).