

CoCoALib - Bug #389

problem loading library.H (parallel make -j4)

23 Jul 2013 14:24 - Anna Maria Bigatti

Status:	Closed	Start date:	23 Jul 2013
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Documentation	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99531	Spent time:	2.75 hours
Description I had problems loading library.H in my new installation on linux: compilation of files including library.H gives <pre>error: '....' was not declared in this scope</pre> AMB: solution: make "library.H" without -j flag, //i.e.// cd include/CoCoA; make			

History

#1 - 23 Jul 2013 14:45 - Anna Maria Bigatti

- Category set to Documentation
- Assignee set to Anna Maria Bigatti
- Target version set to CoCoALib-0.99534 Seoul14

Well not all debugging was useless: I cleaned up some .H (yuk ;-)) and .C including library.H. (it makes the compilation slower)

The problem was (and I can imagine JAA laughing at me) that make -j4 (really wonderful on a quad-core!!) creates some copies all mixed up of library.H in the same file.

I typed

```
cd include/CoCoA
make
```

and it goes fine....
JAA: ooohhh!

#2 - 23 Jul 2013 14:47 - Anna Maria Bigatti

- Status changed from New to Feedback
- % Done changed from 0 to 100

#3 - 23 Jul 2013 16:04 - John Abbott

I don't know how to fix this properly -- need help from a Makefile expert.

Workaround: make the unified header file serially, then do the rest in parallel.

#4 - 23 Jul 2013 17:49 - Anna Maria Bigatti

- *Subject changed from problem loading library.H to problem loading library.H (parallel make -j4)*

#5 - 24 Jul 2013 14:36 - John Abbott

I have modified the script **MakeUnifiedHeader.sh**.
It now uses temporary files, so should avoid problems
if several instances are run in parallel.

#6 - 24 Jul 2013 14:51 - Anna Maria Bigatti

I tested it and I didn't manage to create a messy library.H again.

#7 - 11 Sep 2013 16:14 - John Abbott

- *Status changed from Feedback to Closed*

No problems reported in the last 6 weeks (well, we were all away on holiday).
Closing this issue because it makes me feel that I'm making progress :-)

#8 - 29 Oct 2013 13:07 - Anna Maria Bigatti

- *Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-0.99532*

#9 - 29 Oct 2013 13:31 - Anna Maria Bigatti

- *Target version changed from CoCoALib-0.99532 to CoCoALib-0.99531*