

CoCoALib - Feature #157

Separate ThreadsafeCounter from symbol.C

10 May 2012 16:40 - John Abbott

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|---|-----------------|------------------------|--------------------|
| Status: | Closed | Start date: | 10 May 2012 |
| Priority: | Normal | Due date: | |
| Assignee: | John Abbott | % Done: | 100% |
| Category: | Tidying | Estimated time: | 4.00 hours |
| Target version: | CoCoALib-0.9951 | Spent time: | 3.10 hours |
| Description The ThreadsafeCounter recently added to symbol.C will be useful elsewhere (e.g. in rings for the ring counter). Separate the impl from symbol.C, and add doc, tests, examples. | | | |
| Related issues: | | | |
| Related to CoCoALib - Feature #156: Brand new symbol(s) | | Closed | 07 May 2012 |
| Related to CoCoALib - Feature #142: Improve threadsafety | | In Progress | 30 Apr 2012 |

History

#1 - 10 May 2012 18:16 - John Abbott

Consider making a BOOST-free (and possibly non-threadsafe) version so that CoCoALib can be compiled without requiring BOOST (which is v.large).

#2 - 28 May 2012 16:25 - John Abbott

- Category set to Tidying
- Assignee set to John Abbott
- Target version set to CoCoALib-0.9951

JAA is not sure how to test the threadsafe counter since we don't know how to compile and run multithreaded programs. Anyway the code cam from BOOST, sou it ought to be pretty solid!

I'll try to get this into 0.9951, so that that version has visibly improved threadsafety.

#3 - 29 May 2012 16:16 - John Abbott

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

Separated **ThreadsafeCounter**; written documentation.
Used ThreadsafeCounter inside NewRingID in ring.C.
All tests pass.

#4 - 18 Jun 2012 11:31 - Anna Maria Bigatti

Does this mean that users are now forced to have boost, or we can have a non-threadsafe version without boost?

#5 - 18 Jun 2012 16:11 - John Abbott

Yes, in its current form it requires BOOST.
I can add some **#ifdef** directive to make it compile without BOOST (and without being threadsafe)... if you really think it is necessary!