# CoCoALib - Bug #1345

## Problem with linking the library

19 Oct 2019 11:43 - Anna Maria Bigatti

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| **Status:** | Closed | | **Start date:** | 19 Oct 2019 |
| **Priority:** | High | | **Due date:** | |
| **Assignee:** | Anna Maria Bigatti | | **% Done:** | 100% |
| **Category:** | Safety | | **Estimated time:** | 1.11 hour |
| **Target version:** | CoCoALib-0.99650 November 2019 | | **Spent time:** | 1.20 hour |

**Description**

I was testing a change made in SparsePolyOps-ideal-monomial.C, and, though it did recompile the file, the new code is not run (I even changed it to return ideal(one(R))!).

make clean; make

apparently solved it, but now, wanting to remove the debug printing, the problem resurfaced:
it compiles, but the new code is not used.

What's going on??????

MacOS, clang.

**History**

**#1 - 19 Oct 2019 17:14 - Anna Maria Bigatti**

*- Status changed from New to Closed*

*- Assignee set to Anna Maria Bigatti*

*- % Done changed from 10 to 100*


My mistake?
I tried again, and I cannot longe reproduce it.
It is linked correctly.



**#2 - 19 Oct 2019 19:43 - John Abbott**

*- Estimated time set to 1.11 h*


Very strange.  I think I may have seen a similar phenomenon occasionally, but make clean; make always seemed to fix it for me.

Anyway, it is good to note that it has happened.

If something like it happens again, try using ls -l on the source file, on the file.o, and on libcocoa.a just to make sure that all files have been changed after you changed the source.  Perhaps you ran make inside src/AlgebraicCore/, but did not update the library?  Perhaps you were working in two separate copies of the source tree?

If you were running your tests from a cocoa5 session, then you should also check with ls -l that CoCoAInterpreter has been updated.
(maybe @VersionInfo() will tell you?)




**#3 - 19 Oct 2019 20:28 - Anna Maria Bigatti**

John Abbott wrote:

> If you were running your tests from a cocoa5 session, then you should also check with ls -l that CoCoAInterpreter has been updated.
> (maybe @VersionInfo() will tell you?)

Yes, I did check with VersionInfo(), and I did see the file being compiled.
That's why I thought it was a problem with linking.

Anyway, it works now.
I guess I had misinterpreted a printing message of mine in my second try after make clean; make, because now it compiles and links as expected.