

CoCoALib - Design #1465

mul(MAT,MAT,MAT)

20 Jun 2020 21:40 - John Abbott

Status:	In Progress	Start date:	20 Jun 2020
Priority:	Normal	Due date:	
Assignee:		% Done:	10%
Category:	Tidying	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99880	Spent time:	0.45 hour
Description			
There is a fn mul(MAT,MAT,MAT) Is it any use?			
The impl is exception-safe, so internally it creates a new mat, and then swaps it into the first OUT arg. So it does not appear to be "efficient".			

History

#1 - 20 Jun 2020 21:42 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 10

I have commented out the fn, and modified **power(MAT,n)**.
Everything compiles and runs fine.

I suggest eliminating **mul(M,M,M)** Also C++14's "move" ability should also make it obsolete.

What do you think?

#2 - 29 Oct 2020 13:46 - John Abbott

- Target version changed from CoCoALib-0.99800 to CoCoALib-0.99850

Perhaps it could make sense to have a version of **mul(mat,mat,mat)** which is deliberately not exception safe (but also avoids reallocating memory).
We would need to make a test to whether this idea is actually useful...

NOTE: the use of **mul** inside **power** is such that **power** remains exception-safe even if **mul** is not!

#3 - 16 Feb 2024 10:04 - John Abbott

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880