

CoCoALib - Feature #258

Multivariate lifting

09 Oct 2012 15:51 - John Abbott

Status:	New	Start date:	09 Oct 2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	CoCoALib-1.0	Spent time:	0.00 hour
Description			
In CoCoA-4 there is some rather inefficient code for multivariate lifting. Can it be made more efficient?			
In any case, we need a good (sparse?) multivariate lifter in CoCoALib. Zippel's method needs good (exact) linear algebra. We also want to avoid rational arithmetic.			
If I recall well, the multivariate lifter was one of the trickiest piece of code I've ever written.			
Related issues:			
Related to CoCoA-5 - Support #242: CoCoA-5 Projects for students (e.g. credit...		In Progress	28 Sep 2012

History

#1 - 01 Aug 2014 08:59 - Anna Maria Bigatti

- Target version set to CoCoALib-1.0