

CoCoALib - Feature #258

Multivariate lifting

09 Oct 2012 15:51 - John Abbott

<b>Status:</b>	New	<b>Start date:</b>	09 Oct 2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoALib-1.0	<b>Spent time:</b>	0.00 hour
<b>Description</b> 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.			
<b>Related issues:</b> Related to CoCoA-5 - Support #242: CoCoA-5 Projects for students (e.g. credit... <div>In Progress28 Sep 2012</div>			

History

#1 - 01 Aug 2014 08:59 - Anna Maria Bigatti  
- Target version set to CoCoALib-1.0