

CoCoALib - Slug #1070

Slug: MakeTermOrd (rk calls in RemoveRedundantRows)

17 May 2017 13:45 - Anna Maria Bigatti

Status:	New	Start date:	17 May 2017
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	10%
Category:	Improving	Estimated time:	0.00 hour
Target version:	CoCoALib-1.0	Spent time:	0.50 hour
Description			
The function RemoveRedundantRows is quite slow because of the repeated calls to rk. I had thought it was not important, but I have (small) examples where this function takes 90% of the computation of a GBasis (small ideal, with 30 unused indets).			
Related issues:			
Related to CoCoALib - Feature #937: LinDepMill: Mill for linear dependencies		In Progress	06 Oct 2016

History

#1 - 17 May 2017 13:47 - Anna Maria Bigatti

- Subject changed from Slug: MakeTermOrd to Slug: MakeTermOrd (rk calls in RemoveRedundantRows)
- Category set to Improving
- Assignee set to Anna Maria Bigatti
- Target version set to CoCoALib-1.0
- % Done changed from 0 to 10

I just implemented a workaround:
I check det(M) before calling RemoveRedundantRows, if not 0 return M.

#2 - 18 Apr 2024 16:39 - Anna Maria Bigatti

- Related to Feature #937: LinDepMill: Mill for linear dependencies added