

CoCoALib - Feature #1434

GBasisByHomog for DegLex

04 Mar 2020 19:36 - Anna Maria Bigatti

Status:	Closed	Start date:	04 Mar 2020
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Improving	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99700	Spent time:	4.00 hours
<b>Description</b> This should be easy to fix, hopefully  <pre>use QQ[x,y,z],DegLex; L := [-x*z^2 -y +1, -y*z^2 -z^3, x^3 +z^2]; I:=ideal(L);GBasis(I); radical(I);</pre> subtask of <a href="#">#1212</a>			
<b>Related issues:</b> Related to CoCoALib - Feature #1212: New function: GBasisByHomog Related to CoCoALib - Bug #1423: Radical 0-dim NYI? missing case for GBasisB...			
		Closed	05 Aug 2018
		Closed	25 Feb 2020

History

- #1 - 04 Mar 2020 19:36 - Anna Maria Bigatti**  
- Related to Feature #1212: New function: GBasisByHomog added
- #2 - 04 Mar 2020 19:37 - Anna Maria Bigatti**  
- Description updated
- #3 - 04 Mar 2020 20:38 - John Abbott**  
- Related to Bug #1423: Radical 0-dim NYI? missing case for GBasisByHomog added
- #4 - 06 Mar 2020 17:41 - Anna Maria Bigatti**  
- Status changed from New to Closed  
- % Done changed from 0 to 100

Done.  
I had some problems in finding the correct functions to make the matrix.  
I'll write some notes about making the matrix for the general case.