

CoCoA-5 - Bug #1172

MinSubsetOfGens: problem with generators = 0

04 Apr 2018 09:30 - Elisa Palezzato

Status:	Closed	Start date:	04 Apr 2018
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	bug	Estimated time:	0.00 hour
Target version:	CoCoA-5.2.4	Spent time:	2.00 hours
Description			
In case of type MODULE there is:			
<pre>J := submodule(ModuleOf(X), WithoutNth(L,I));</pre>			
but it does not allow to verify IsIn, in the line below, in case of a zero vector. I tried with:			
<pre>J := submodule(ModuleOf(X), [V In WithoutNth(L,I) not(IsZero(V))]);</pre>			
and it works fine.			

History

#1 - 04 Apr 2018 12:05 - Anna Maria Bigatti

which package?

#2 - 04 Apr 2018 12:27 - Anna Maria Bigatti

- Category set to bug
- Target version set to CoCoA-5.2.4
- % Done changed from 0 to 30

The problem is actually in GBasis(M) when gens(M) contains a 0 element.
Fixing...

#3 - 04 Apr 2018 14:31 - Anna Maria Bigatti

Fixed GPolyList EmbedVectorList(const VectorList& theVL, const GRingInfo& theGRI, const long StartingFromComplIndex) in TmpGReductor.C.

Now we can compute GBasis of a submodule with zero-vectors in the generators.

#4 - 04 Apr 2018 14:35 - Anna Maria Bigatti

- Subject changed from MinSubsetOfGens to MinSubsetOfGens: problem with generators = 0
- Status changed from New to Feedback
- Assignee set to Anna Maria Bigatti
- % Done changed from 30 to 90

#5 - 30 Jul 2018 14:23 - Anna Maria Bigatti

- Status changed from Feedback to Closed
- % Done changed from 90 to 100