CoCoALib - Feature #496

ideal: minimalize or minimalized?

27 Mar 2014 08:09 - Anna Maria Bigatti

Status:	Closed		**Start date:**	27 Mar 2014
Priority:	Normal		**Due date:**	
Assignee:	Anna Maria Bigatti		**% Done:**	100%
Category:	New Function		**Estimated time:**	7.00 hours
Target version:	CoCoALib-0.99532		**Spent time:**	7.00 hours

Description
In CoCoA-4 there were two functions: - minimalized(I): returning an ideal J=I generated by a minimal set of generators of I   - minimalize(I): changing the set of generators with a minimal set of generators.   This would be handy: I expect, when asking for **MinGens**, no one really cares anymore for the original generators...

Related issues:		
Related to CoCoA-5 - Design #1123: Should "minimalize" be obsolescent?	**Closed**	**16 Nov 2017**

History

#1 - 27 Mar 2014 08:22 - Anna Maria Bigatti

- *Category set to New Function*

- *Status changed from New to In Progress*

- *Assignee set to Anna Maria Bigatti*

- *Target version set to CoCoALib-0.99533 Easter14*

- *% Done changed from 0 to 20*

Decided how and implemented **myMinimalized**.
The current design for ideals actually makes it simple: operations are object-oriented, so just a few fields have to be updated.

#2 - 27 Mar 2014 18:16 - Anna Maria Bigatti

- *% Done changed from 20 to 90*

done and tested, documented, ported to CoCoA-5

Works only for homogeneous input.
Cleverly stores GBasis and MinGens in the input and output ideals.
No optimization needed (possible) for non-homogeneous case.

#3 - 01 Apr 2014 18:52 - Anna Maria Bigatti

- *Status changed from In Progress to Closed*

- *Target version changed from CoCoALib-0.99533 Easter14 to CoCoALib-0.99532*

- *% Done changed from 90 to 100*

#4 - 01 Apr 2014 18:52 - Anna Maria Bigatti

- *Estimated time set to 7.00 h*

#5 - 16 Nov 2017 11:54 - Anna Maria Bigatti

- *Related to Design #1123: Should "minimalize" be obsolescent? added*