CoCoA-5 - Design #1123

Should "minimalize" be obsolescent?

16 Nov 2017 11:54 - Anna Maria Bigatti

Status:	Closed	**Start date:**	16 Nov 2017
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	100%
Category:	CoCoA-4 function: obsolete	**Estimated time:**	5.01 hours
Target version:	CoCoA-5.2.2	**Spent time:**	4.75 hours

Description

minimalized --> done.
what about minimalized?

Related issues:

Related to CoCoA-5 - Design #1020: Rename minimalized(I) into IdealOfMinGens(I)?	**Closed**	**06 Mar 2017**
Related to CoCoALib - Feature #496: ideal: minimalize or minimalized?	**Closed**	**27 Mar 2014**
Related to CoCoA-5 - Feature #514: submodule: minimalize, minimalized	**Closed**	**02 Apr 2014**
Related to CoCoALib - Feature #366: function (CoCoALib) for minimal generator...	**Closed**	**11 Jun 2013**

History

#1 - 16 Nov 2017 11:54 - Anna Maria Bigatti

- Related to Design #1020: Rename minimalized(I) into IdealOfMinGens(I)? added

#2 - 16 Nov 2017 11:54 - Anna Maria Bigatti

- Related to Feature #496: ideal: minimalize or minimalized? added

#3 - 16 Nov 2017 11:54 - Anna Maria Bigatti

- Related to Feature #514: submodule: minimalize, minimalized added

#4 - 16 Nov 2017 11:54 - Anna Maria Bigatti

- Related to Feature #366: function (CoCoALib) for minimal generators (like old Minimalize) added

#5 - 16 Nov 2017 16:36 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

I prefer minimalize to be made obsolescent; instead one should use I := IdealOfMinGens(I) which is longer to write, but also clearer (in my opinion). Actually I presume the correct way to call minimalize is with a reference parameter, like this minimialize(ref I).

This does assume that IdealOfMinGens will preserve as much information as possible when it creates the new ideal.

#6 - 20 Nov 2017 22:01 - Anna Maria Bigatti

- Project changed from CoCoALib to CoCoA-5

- Category changed from Tidying to CoCoA-4 function: obsolete

- Status changed from In Progress to Feedback

- Assignee set to Anna Maria Bigatti

- Target version changed from CoCoALib-0.99600 to CoCoA-5.2.2

- % Done changed from 10 to 90

- Estimated time set to 5.01 h

Trying to "save" it and postponing it, I wasted time.
I realized that the CoCoALib function myMinimalize is just a member function.

So, keeping minimalize in CoCoA-5 (after removing minimalized) was not as compatible with CoCoALib as I had imagined.
Moreover it was actually hard to do and intrisically inefficient, so I made it obsolescent.
John will be pleased ;-)

#7 - 11 Dec 2017 18:01 - Anna Maria Bigatti

- Status changed from Feedback to Closed

- % Done changed from 90 to 100