

## CoCoA-5 - Design #1020

### Rename minimalized(I) into IdealOfMinGens(I)?

06 Mar 2017 16:02 - Anna Maria Bigatti

<b>Status:</b>	Closed	<b>Start date:</b>	06 Mar 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	90%
<b>Category:</b>	Renaming	<b>Estimated time:</b>	1.51 hour
<b>Target version:</b>	CoCoA-5.2.2	<b>Spent time:</b>	1.50 hour
<b>Description</b>			
<p>I have added IdealOfGBasis(I) to cocoa-5. It is like saying ideal(GBasis(I)) and SetGBasisAsGens (not available in cocoa-5).</p> <p>I think the same should be made for IdealOfMinGens(I). Indeed this already exists: it is called minimalized(I) in cocoa-5. (not present in cocoalib)</p> <p>I think IdealOfMinGens(I) is prettier ;-) Should I add it? Should minimalized become obsolescent? or should they just coexist?</p>			
<b>Related issues:</b>			
Related to CoCoALib - Feature #957: New function: HasGBasis		<b>Closed</b>	<b>27 Oct 2016</b>
Related to CoCoA-5 - Feature #996: New function: IdealOfGBasis		<b>Closed</b>	<b>12 Jan 2017</b>
Related to CoCoALib - Feature #1053: New function: IdealOfGBasis, IdealOfMinG...		<b>Closed</b>	<b>26 Apr 2017</b>
Related to CoCoA-5 - Design #1123: Should "minimalize" be obsolescent?		<b>Closed</b>	<b>16 Nov 2017</b>
Related to CoCoALib - Feature #1126: New function: SubmoduleOfMinGens		<b>Closed</b>	<b>20 Nov 2017</b>

### History

#### #1 - 06 Mar 2017 16:51 - Anna Maria Bigatti

- Related to Feature #957: New function: HasGBasis added

#### #2 - 06 Mar 2017 16:51 - Anna Maria Bigatti

- Related to Feature #996: New function: IdealOfGBasis added

#### #3 - 06 Mar 2017 17:40 - John Abbott

I like IdealOfMinGens.  
I do not much like minimalize(I), so suggest making it obsolescent.

Presumably IdealOfMinGens should also copy any 3-way flags from the original ideal? Actually, this is an argument in favour of minimalize :-/

#### #4 - 06 Mar 2017 21:52 - Anna Maria Bigatti

John Abbott wrote:

I like IdealOfMinGens.  
I do not much like minimalize(I), so suggest making it obsolescent.

good

Presumably IdealOfMinGens should also copy any 3-way flags from the original ideal? Actually, this is an argument in favour of minimalize :-/

I just copied it ;-)

**#5 - 08 Mar 2017 18:58 - John Abbott**

- *Status changed from New to In Progress*

See also the discussion in issue [#996](#) about which bool3 flags can be (ought to be) copied, and which cannot.

**#6 - 26 Apr 2017 16:06 - Anna Maria Bigatti**

I'm about to make `minimalized` obsolescent (cocoa and cocoaLib).  
Should I do the same for `minimalize` (suggesting "I := IdealOfMinGens(I)")?

**#7 - 26 Apr 2017 16:49 - Anna Maria Bigatti**

- *Target version changed from CoCoA-5.2.0 spring 2017 to CoCoA-5.2.2*

Changed my mind :(  
`minimalized` is also for modules. This needs more thinking.  
Postponing to next release.

**#8 - 26 Apr 2017 18:02 - Anna Maria Bigatti**

- *Related to Feature #1053: New function: `IdealOfGBasis`, `IdealOfMinGens` in CoCoALib added*

**#9 - 16 Nov 2017 11:54 - Anna Maria Bigatti**

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

**#10 - 20 Nov 2017 15:47 - Anna Maria Bigatti**

- *Status changed from In Progress to Closed*  
- *% Done changed from 50 to 90*  
- *Estimated time changed from 1.00 h to 1.51 h*

Done.  
It should also be done properly for modules, doing in CoCoALib `SubmoduleOfGBasis` and `SubmoduleOfMinGens`.

**#11 - 20 Nov 2017 16:05 - Anna Maria Bigatti**

- *Related to Feature #1126: New function: `SubmoduleOfMinGens` added*