

CoCoA-5 - Design #1051

ReadExpr(P, string) and RingElem(P, string)

24 Apr 2017 17:15 - Anna Maria Bigatti

Status:	Closed	Start date:	24 Apr 2017
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	enhancing/improving	Estimated time:	3.00 hours
Target version:	CoCoA-5.2.0 spring 2017	Spent time:	2.70 hours
Description In cocoalib we have ReadExpr(P, string) and RingElem(P, symbol), but in cocoa-5 they both take a string. I spent some time debugging a function before realising that I wrote RingElem instead of ReadExpr. ... it does not help they look so similar! What should RingElem(P, "x+y") do in cocoa-5? Now gives error "illegal character" (from cocoalib) 1 - give a better error (detecting +,-,/,...) -- also in cocoalib 2 - catch the error and give helpful message "did you mean \"ReadExpr\"?" 3 - behave like ReadExpr? 4 - else? Related issues: Related to CoCoA-5 - Bug #878: RingElem applied to a symbol (repr as a string) Closed 09 May 2016 Related to CoCoALib - Feature #1052: ReadExpr(P, string) and RingElem(P, stri... Closed 26 Apr 2017			

History

#1 - 24 Apr 2017 18:11 - Anna Maria Bigatti

- Assignee set to Anna Maria Bigatti
- Target version changed from CoCoA-5.2.2 to CoCoA-5.2.0 spring 2017
- % Done changed from 0 to 30
- Estimated time set to 3.00 h

Currently implemented 2, meaningful error message.

#2 - 25 Apr 2017 17:57 - John Abbott

If we make RingElem(P, str) behave like ReadExpr(P, str) then ReadExpr becomes essentially redundant.

I think when we designed ReadExpr I had thought about making it a variant of RingElem; now I do not recall why we did not do that.

#3 - 25 Apr 2017 17:57 - John Abbott

- Related to Bug #878: RingElem applied to a symbol (repr as a string) added

#4 - 26 Apr 2017 09:12 - Anna Maria Bigatti

OK, I'll implement "3".
Should I modify CoCoALib as well?

#5 - 26 Apr 2017 11:07 - Anna Maria Bigatti

Done (cocoa5) and checked in.

#6 - 26 Apr 2017 11:16 - Anna Maria Bigatti

- % Done changed from 30 to 70

#7 - 26 Apr 2017 12:24 - Anna Maria Bigatti

- *Related to Feature #1052: `ReadExpr(P, string)` and `RingElem(P, string)` in CoCoALib added*

#8 - 26 Apr 2017 13:31 - John Abbott

- *Status changed from New to In Progress*

Should we make **ReadExpr** obsolescent?

#9 - 26 Apr 2017 13:51 - Anna Maria Bigatti

John Abbott wrote:

Should we make **ReadExpr** obsolescent?

Not before deciding if we want to do the same in CoCoALib.

#10 - 27 Apr 2017 16:38 - Anna Maria Bigatti

- *Status changed from In Progress to Resolved*

Updated the documentation for `RingElem`.

Now I'm ready to make `ReadExpr` obsolescent. Should I do it now or postpone it?

#11 - 27 Apr 2017 17:37 - Anna Maria Bigatti

I also made a small improvement to `RingElem(Ring, RingElem)` for the (effectively useless) case when there is ring change.

#12 - 28 Apr 2017 19:06 - Anna Maria Bigatti

- *Status changed from Resolved to Closed*

- *% Done changed from 70 to 100*

I made `ReadExpr` obsolescent (in CoCoA-5).

Not convinced 100% it is right, but it's not too wrong either.

documented.

tested.

closed