CoCoALib - Feature #361

implement IsPrime3, IsMaximal3

29 May 2013 14:55 - Anna Maria Bigatti

Status:	Closed	Start date:	29 May 2013	3
Priority:	Normal	Due date:		
Assignee:	John Abbott	% Done:	100%	
Category:	New Function	Estimated time:	0.00 hour	
Target version:	CoCoALib-0.99560	Spent time:	2.00 hours	
Description				
We should implement otherwise.				
otherwise. For example IsZero go through a more e I cannot see a way t (This possibly applie Functions: IsPrime3	Divisor(x) could simply return IsZero(x) if xpensive computation. o do this easily with the "strict" boolean fur is to all boolean functions, but that's exces b, IsMaximal3 , IsField3 , IsIntegralDomain	nctions we have now. sive)	ring "IsIntegralDo	omain", and only otherwise
otherwise. For example IsZero go through a more e I cannot see a way t (This possibly applie Functions: IsPrime3 more?	xpensive computation. o do this easily with the "strict" boolean fur s to all boolean functions, but that's exces	nctions we have now. sive)	ring "IsIntegralDo	omain", and only otherwise
otherwise. For example IsZero go through a more e I cannot see a way t (This possibly applie Functions: IsPrime3 more? Related issues:	xpensive computation. o do this easily with the "strict" boolean fur s to all boolean functions, but that's exces	nctions we have now. sive) n 3 ,	ring "IsIntegralDo	omain", and only otherwise 28 Mar 2014
otherwise. For example IsZero go through a more e I cannot see a way t (This possibly applie Functions: IsPrime3 more? Related issues: Related to CoCoALib -	xpensive computation. o do this easily with the "strict" boolean fur es to all boolean functions, but that's exces a, IsMaximal3 , IsField3 , IsIntegralDomai	nctions we have now. sive) n 3 ,		

In Progress

24 May 2016

History

#1 - 29 Oct 2013 15:21 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-0.99532

Related to CoCoALib - Feature #885: IsIrred3: fast 3-way irred test (returnin...

#2 - 01 Apr 2014 19:18 - Anna Maria Bigatti

- Category set to New Function
- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 10

should we follow the same (new flashy) design as for IsIntegralDomain3?

#3 - 01 Apr 2014 19:29 - Anna Maria Bigatti

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

#4 - 04 Apr 2014 17:15 - John Abbott

- Target version changed from CoCoALib-0.99533 Easter14 to CoCoALib-0.99534 Seoul14

#5 - 10 Jul 2014 16:24 - John Abbott

- Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-1.0

#6 - 02 Aug 2016 14:21 - Anna Maria Bigatti

- Related to Feature #899: IsMaximal, IsPrimary for IDEAL (in cocoalib) added

#7 - 02 Aug 2016 15:00 - Anna Maria Bigatti

In a discussion with John Abbott and Mario Albert we got these points

in the case where a bool3 flag is in a class (abstract)

- make the bool3 function as member function? (but we already have the flag itself at that level; what if its private?)

- make the bool3 function as non-member function? (useful? neccesary?)

- make the bool function as member function: this fuction is supposed to **set the related flag**, and also other flags dependent on the result (e.g. IsPrime)

- make the bool function as non-member function.

- make the member-function actually computing and not reading/setting flags (e.g. myMaximalTest)

(this means I have to change the IamMaximal code accordingly)

#8 - 08 Sep 2016 11:09 - Anna Maria Bigatti

- Status changed from In Progress to Feedback
- % Done changed from 10 to 90

I suggest to close this issue: the discussion about this design has been moved to issue #899 (my mistake, but difficult to move it here)

#9 - 08 Sep 2016 11:16 - Anna Maria Bigatti

- Related to Feature #885: IsIrred3: fast 3-way irred test (returning bool3) added

#10 - 22 May 2017 13:38 - Redmine Admin

- Target version changed from CoCoALib-1.0 to CoCoALib-0.99560

#11 - 25 Nov 2017 10:42 - Anna Maria Bigatti

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