

CoCoA-5 - Design #301

How to obtain an integer from a finite field element? AsINT?

08 Feb 2013 18:12 - John Abbott

Status:	Closed	Start date:	08 Feb 2013
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	CoCoA-5 function: new	Estimated time:	2.00 hours
Target version:	CoCoA-5.1.0 Easter14	Spent time:	0.50 hour
Description Let X be a ring elem belonging to a finite field. How can I get an integer value from X? At the moment AsINT(X) gives an error (about characteristic being non-zero); but in CoCoALib IsInteger succeeds. What is the right way to do it?			
Related issues:			
Related to CoCoALib - Feature #233: AsINT and AsRAT -- ConvertTo<BigInt> and...		Closed	25 Sep 2012
Related to CoCoALib - Feature #61: Conversion functions -- documentation		Closed	13 Dec 2011
Related to CoCoA-5 - Feature #453: Automatic conversion from INT (or RAT) to ...		In Progress	03 Mar 2014

History

#1 - 02 Apr 2014 17:34 - Anna Maria Bigatti

- Target version set to CoCoA-5.1.0 Easter14

#2 - 04 Apr 2014 15:17 - John Abbott

- Category set to CoCoA-5 function: new
- Status changed from New to Feedback
- Assignee set to John Abbott
- % Done changed from 0 to 90

This has already been done (long ago?): AsINT and AsRAT can be applied to RINGELEM belonging to finite characteristic.

Changing state to feedback

#3 - 14 Apr 2014 09:18 - Anna Maria Bigatti

- Estimated time set to 2.00 h

#4 - 24 Apr 2014 20:16 - John Abbott

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

Closing because it's all been working fine for ages; no point in leaving it in feedback.