CoCoALib - Design #272

Forward declarations

24 Oct 2012 16:56 - John Abbott

Status:	New		**Start date:**	24 Oct 2012
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Tidying		**Estimated time:**	0.00 hour
Target version:	CoCoALib-1.0		**Spent time:**	0.25 hour

Description

The C++ STL offers a header file **<iosfwd>** which contains forward declarations of the types used for input/output (but without all the template code that is needed for the definitions).

After the recent change regarding ConstRefRingElem ([#261](#)), I noticed that a similar mechanism could be useful inside CoCoALib.

The simplest solution is to have one file which gives forward declarations of as many types as possible; it may be better, though, to group the types more finely (*e.g.* rings and their elements, PP monoids and their elements, ...)

We could start by looking to see which forward declarations we use most often.

Ideas? Comments? Suggestions?

History

#1 - 24 Oct 2012 18:25 - Anna Maria Bigatti

yes! I'm not sure how easy/difficult it is going to be to group them: looking at the documentation page:
PPMonoid
ring
PolyRing?
modules
numbers?
homomorphisms?
groebner?

#2 - 01 Apr 2014 17:37 - Anna Maria Bigatti

- Target version set to CoCoALib-0.99533 Easter14

#3 - 07 Apr 2014 18:14 - John Abbott

- Category set to Tidying

- Target version changed from CoCoALib-0.99533 Easter14 to CoCoALib-1.0