CoCoALib - Design #1162

Check semantics of NoSmallFactorSeq

26 Feb 2018 15:48 - John Abbott

Status:	Closed		**Start date:**	26 Feb 2018
Priority:	Normal		**Due date:**	
Assignee:	John Abbott		**% Done:**	100%
Category:	Improving		**Estimated time:**	5.55 hours
Target version:	CoCoALib-0.99600		**Spent time:**	5.50 hours

Description

I have just added the new class **NoSmallFactorSeq** but it is awkward to use.

Reconsider its public interface.

History

#1 - 27 Feb 2018 16:37 - John Abbott

- Status changed from New to Resolved

- Assignee set to John Abbott

- % Done changed from 0 to 60

I have introduced a new class **FastMostlyPrimeSeq** which produces an increasing sequence of positive integers which contains all the primes, and just a few composites. **op++** is reasonably fast; much faster than for PrimeSeq.

This uses internally NoSmallFactorSeq.

#2 - 09 Mar 2018 18:05 - John Abbott

- % Done changed from 60 to 70

Currently the choice of biggest prime which is "filtered" is somewhat arbitrary.
Is it worth doing anything more refined?

#3 - 12 Jun 2018 16:22 - John Abbott

- Status changed from Resolved to Feedback

- % Done changed from 70 to 90

I have no ideas for improving this currently. So have moved to "feedback".

#4 - 03 Aug 2018 16:01 - John Abbott

- Status changed from Feedback to Closed

- % Done changed from 90 to 100

- Estimated time set to 5.55 h