CoCoALib - Feature #533

Convert BigInt/BigRat to string

10 Apr 2014 00:37 - John Abbott

Status:	Closed	**Start date:**	10 Apr 2014
Priority:	Normal	**Due date:**	
Assignee:	John Abbott	**% Done:**	100%
Category:	New Function	**Estimated time:**	7.50 hours
Target version:	CoCoALib-0.99533 Easter14	**Spent time:**	8.75 hours

Description

I thought there used to be ConvertTo<string>(N) for BigInt and BigRat.
Maybe there used to be, but they were removed for some reason (*e.g.* the "convert" family is only for conversion between arithmetic types?)

The doc says to use ostringstream instead; that's inconvenient (needs an extra header included, 3 lines instead of 1 fn call).

Reinstate "conversion" of BigInt and BigRat to string?
What should the fns be called?

Related issues:

Related to CoCoA-5 - Design #534: Remove float.cpkg5	**Closed**	**10 Apr 2014**

History

#1 - 10 Apr 2014 00:39 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

I have made a quick impl in file decimal.C; its currently called decimals. I had wanted to use DecimalStr but that's already taken (and has a different meaning).

Is decimal.C the right place for such a fn?
What about IntOperations.C? Perhaps that is more for arithmetic?

#2 - 20 May 2014 10:33 - John Abbott

- Status changed from In Progress to Closed

- Assignee set to John Abbott

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

- % Done changed from 10 to 100

- Estimated time set to 7.50 h

This has already been done (by me, but I can't recall exactly when).
There is now a template fn called **ToString**; it is bundled with FloatStr, DecimalStr and ScientificStr in a file called ToString.

Doc & examples have been updated too.