CoCoALib - Slug #1521

Unexpectedly slow example with larger types for SmallExponent_t

26 Oct 2020 12:05 - John Abbott

Status:	New	**Start date:**	26 Oct 2020
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Various	**Estimated time:**	0.00 hour
Target version:	CoCoALib-0.99880	**Spent time:**	0.20 hour

Description

I tried Julian's example from issue #1514 using smaller types for SmallExponent_t, and found that it was significantly faster with smaller types (approx linear with number of bits in exp).

Investigate, and compare with issue #268.

Then decide what we should do when releasing CoCoA.

Related issues:

Related to CoCoALib - Design #268: Exponent range (in power products)	**Closed**	**18 Oct 2012**
Related to CoCoA-5 - Bug #1514: Cocoa crashes when calling RingElems	**Closed**	**22 Oct 2020**

History

#1 - 26 Oct 2020 12:05 - John Abbott

- Related to Design #268: Exponent range (in power products) added

#2 - 26 Oct 2020 12:05 - John Abbott

- Related to Bug #1514: Cocoa crashes when calling RingElems added

#3 - 26 Oct 2020 12:06 - John Abbott

See note 5 in issue #1514.

#4 - 08 Mar 2023 19:54 - John Abbott

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880