

CoCoALib - Slug #1521

Unexpectedly slow example with larger types for SmallExponent\_t

26 Oct 2020 12:05 - John Abbott

<b>Status:</b>	New	<b>Start date:</b>	26 Oct 2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Various	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoALib-0.99880	<b>Spent time:</b>	0.20 hour
<b>Description</b> I tried Julian's example from issue <a href="#">#1514</a> 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 <a href="#">#268</a> .  Then decide what we should do when releasing CoCoA.			
<b>Related issues:</b>			
Related to CoCoALib - Design #268: Exponent range (in power products)		<b>Closed</b>	<b>18 Oct 2012</b>
Related to CoCoA-5 - Bug #1514: Cocoa crashes when calling RingElems		<b>Closed</b>	<b>22 Oct 2020</b>

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