

CoCoALib - Feature #526

Fn to test if an integer is a power of 2

08 Apr 2014 14:10 - John Abbott

Status:	Closed	Start date:	08 Apr 2014
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	New Function	Estimated time:	0.50 hour
Target version:	CoCoALib-0.99533 Easter14	Spent time:	1.00 hour
Description			
It would be handy sometimes to have a function which says whether an integer is a power of 2; perhaps if its absolute value is a power of 2.			
GMP does not have a direct fn for this.			

History

#1 - 08 Apr 2014 14:11 - John Abbott

- Status changed from New to Feedback
- % Done changed from 0 to 90

I have implemented in IntOperations both for BigInt and MachineInt.

Also added doc and some tests.

The fn says whether value is **positive** and is **a power of 2**.

#2 - 15 Apr 2014 12:43 - John Abbott

- Status changed from Feedback to Closed
- % Done changed from 90 to 100