

CoCoA-5 - Feature #1142

NewZZmod: port to CoCoA-5

15 Dec 2017 18:33 - Anna Maria Bigatti

Status:	Closed	Start date:	15 Dec 2017
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	CoCoA-5 function: new	Estimated time:	2.01 hours
Target version:	CoCoA-5.2.2	Spent time:	1.00 hour
Description			
NewZZmod allows big integers, and non-primes.			
Related issues:			
Related to CoCoALib - Bug #1143: Polynomial multiplication wrong for non inte...			Closed 15 Dec 2017

History

#1 - 15 Dec 2017 18:37 - Anna Maria Bigatti

John ported it to CoCoA-5.

I added it to the manual.

Found a bug: printing 0 coeff (this means it contains a summand with 0 coeff!)

```
/**/ R := NewZZmod(6);
/**/ use R[x,y];
/**/ product([x-i | i in 1..6]);
x^6 +3*x^5 +x^4 +3*x^3 -2*x^2 +0*x
/**/ product([x-i | i in 1..6]) = x^6 +3*x^5 +x^4 +3*x^3 -2*x^2; -- embarrassing...
false
```

Must add a coeff check in ring is not IsIntegral

#2 - 15 Dec 2017 19:02 - Anna Maria Bigatti

- Related to Bug #1143: Polynomial multiplication wrong for non integral rings added

#3 - 16 Jan 2018 15:30 - John Abbott

- Status changed from Resolved to Closed

- % Done changed from 70 to 100