

CoCoA-5 - Bug #650

CoCoA-5 test (SourceAnna); problem in HilbertPoly

12 Nov 2014 11:22 - John Abbott

Status:	Closed	Start date:	12 Nov 2014
Priority:	High	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	enhancing/improving	Estimated time:	0.00 hour
Target version:	CoCoA-5.1.3/4 Jan 2016	Spent time:	0.60 hour
Description			
Sometimes the CoCoA-5 test SourceAnna fails (on 64-bit MacOSX).			
The problem appears when executing the line:			
<pre>TEST_ASSERT(HilbertPoly(Qxyz/ideal(x,y^2)), 2);</pre>			

History

#1 - 12 Nov 2014 11:26 - John Abbott

I have already reported by phone that there is a problem (with SourceAnna) on 32-bit Linux.

On my 64-bit MacOSX the test sometimes passes and sometimes does not. I tried running just the specific line several times in a fresh CoCoA-5, and no problems arose.

Running some of tests line-by-line, the following happened (after several repetitions):

```
>>> TEST_ASSERT(HilbertPoly(Qxyz/ideal(x,y^2)), 2);

*****
****CoCoA ERROR****  ErrCode: CoCoA::ERR::IdealNotInRing
****CoCoA ERROR****  Message: Incompatible ring and ideal: ideal is not in the given ring
****CoCoA ERROR****  Context: NewQuotientRing
****CoCoA ERROR****  File:      QuotientRing.C
****CoCoA ERROR****  Line:      839
*****

--> ERROR: Incompatible ring and ideal: ideal is not in the given ring
--> TEST_ASSERT(HilbertPoly(Qxyz/ideal(x,y^2)), 2);
--> ^
```

**#2 - 28 Jul 2015 15:45 - Anna Maria Bigatti**

- *Target version changed from CoCoA-5.1.2 summer 2015 to CoCoA-5.1.3/4 Jan 2016*

I cannot reproduce this error. Postponing to next version.

**#3 - 17 Feb 2016 15:21 - John Abbott**

- *Status changed from New to In Progress*

- *% Done changed from 0 to 10*

I have not noticed any problem like this lately; perhaps it has resolved itself magically?

Mark as "closed"?

**#4 - 23 Mar 2016 10:18 - Anna Maria Bigatti**

- *Status changed from In Progress to Closed*

- *% Done changed from 10 to 100*

This problem has not re-surfaced in ages. Declare it closed.