CoCoA-5 - Bug #194

Unhandled CoCoALib error: mixed rings with IsIn operator (for ideal membership)

21 Jun 2012 15:13 - John Abbott

Status:	Closed		**Start date:**	21 Jun 2012
Priority:	Normal		**Due date:**	
Assignee:	John Abbott		**% Done:**	100%
Category:	Parser/Interpreter		**Estimated time:**	0.00 hour
Target version:	CoCoA-5.0.3		**Spent time:**	0.75 hour

Description

CoCoALib produces a "mixed rings" error in the following example; CoCoA-5 does not intercept the error at the level of the operator, so the error is reported without any location information.

```
Use QQ[x];
f := x^2+2;
LC(f)  IsIn Ideal(f);
```

History

#1 - 21 Jun 2012 15:17 - John Abbott

- Status changed from New to Closed

- % Done changed from 0 to 100

I changed the relevant lines (near 2910) in Interpreter.C:

```
  try { return BoolValue::fromBool(IsElem(f->theRingElem, I->theIdeal)); }
  catch (const ErrorInfo& err)
  { throw RuntimeException(err.what(), beginOperatorSourcePosition, endOperatorSourcePosition); }
```

[previously there was no try...catch block]

It would be nice if the necessary change could be made simpler/neater.

#2 - 04 Jul 2012 09:56 - Anna Maria Bigatti

- Category set to Parser/Interpreter

- Assignee set to John Abbott

- Target version set to CoCoA-5.0.3