CoCoA-5 - Design #546

ideal wants LIST of RINGELEM

05 May 2014 15:07 - John Abbott

Status:	Closed	**Start date:**	05 May 2014
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	100%
Category:	Cleaning	**Estimated time:**	0.90 hour
Target version:	CoCoA-5.1.1 Seoul14	**Spent time:**	0.80 hour

Description

It is inconvenient (perhaps even embarassing) that you cannot do this:

```
Use QQ[x,y,z];
I := ideal([x,0,y]);
```

It really should be able to convert the zero (or any rational number) into the appropriate ring, so long as there is at least 1 RINGELEM value.

[I bet this is related to some other issue... no time to check now]

Related issues:

Related to CoCoA-5 - Feature #453: Automatic conversion from INT (or RAT) to ...	**In Progress**	**03 Mar 2014**

History

#1 - 22 Jul 2014 08:27 - Anna Maria Bigatti

- Assignee set to Anna Maria Bigatti

- % Done changed from 0 to 50

It was easy to fix it for ideal([x,0,y]);.
I re-designed the function for ideal a bit.
I renamed evalArgAsRingElemList into evalArgAsListOfRingElem (easier to find and to relate it to the less flexible evalArgAsListOf<RingElem>)

Much more tedious to do for ideal(x,0,y);. Postpone? Ignore?

#2 - 02 Sep 2014 11:08 - John Abbott

- Status changed from New to Closed

- % Done changed from 50 to 100

- Estimated time set to 0.90 h

After discussing with Anna we have decided to accept the current solution: i.e. that ideal([x,0,y]) works as desired but ideal(x,0,y) does not. Fixing the latter looks to be quite tricky, and in any case the problem has an easy workaround: just put the generators into a list!