

CoCoA-5 - Bug #1273

NewPolyRing and SymbolRange together make a crash

29 Apr 2019 14:14 - John Abbott

Status:	Closed	Start date:	29 Apr 2019
Priority:	High	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	bug	Estimated time:	1.99 hour
Target version:	CoCoA-5.3.0	Spent time:	1.65 hour
Description			
The problem is with double indices. Here is a small failing example:			
<pre>vars := SymbolRange("a", [1,2],[1,2]); P := NewPolyRing(QQ, vars); --> BOOM!</pre>			
The output of SymbolRange looks wrong anyway, but it should not cause a crash!			
Note: reported by Julian Danner (Passau)			
Related issues:			
Related to CoCoA-5 - Feature #1290: NewPolyRing: allow symbols with just head...		Closed	27 May 2019
Related to CoCoA-5 - Bug #1384: NewPolyRing and SymbolRange		Closed	07 Jan 2020

History

#1 - 29 Apr 2019 14:18 - John Abbott

The **SymbolRange** impl looks very suspect. It does not properly check its arg types.

Fn is defd in cocolib.cpkg5. Investigating & cleaning.

#2 - 29 Apr 2019 14:21 - John Abbott

- Status changed from New to Resolved

- Assignee set to John Abbott

- % Done changed from 0 to 50

One problem appears to be on line 46 of cocolib.cpkg5: replace **[i]** with just **i**.

#3 - 29 Apr 2019 18:21 - John Abbott

- % Done changed from 50 to 80

Another problem was in evalArgAsListOfSymbols which did a dynamic pointer cast and used the result without checking whether it was nullptr. Seems better now.

Note: reference Interpreter.C near line 136

#4 - 30 Apr 2019 10:35 - John Abbott

- Description updated

- Estimated time set to 1.99 h

I must get my CVS access sorted out, so I can check in.

#5 - 27 May 2019 13:22 - John Abbott

- *Related to Feature #1290: NewPolyRing: allow symbols with just head and no indices? added*

#6 - 04 Oct 2019 16:16 - Anna Maria Bigatti

Seems to work now, both on Mac and on Linux.
Close?

#7 - 10 Oct 2019 17:36 - John Abbott

- *Target version changed from CoCoA-5.3.0 to CoCoA-5.4.2*

- *% Done changed from 80 to 100*

#8 - 10 Oct 2019 19:30 - Anna Maria Bigatti

- *Target version changed from CoCoA-5.4.2 to CoCoA-5.3.0*

#9 - 13 Feb 2020 09:26 - Anna Maria Bigatti

- *Status changed from Resolved to Closed*

#10 - 13 Feb 2020 09:29 - Anna Maria Bigatti

- *Related to Bug #1384: NewPolyRing and SymbolRange added*