CoCoALib - Bug #351

Problems with DenseMatImpl::myResize

21 May 2013 17:35 - Anna Maria Bigatti

Status:	Closed	**Start date:**	21 May 2013
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	100%
Category:	Safety	**Estimated time:**	3.00 hours
Target version:	CoCoALib-0.99533 Easter14	**Spent time:**	2.75 hours

Description

When calling

```
void DenseMatImpl::myResize(long NumRows, long NumCols)
```

for removing a row/colum the program runs OK, but on exit gives "IMMINENT DISASTER".
Maybe something is not freed properly? Code looks very reasonable.

Needs proper investigation with valgrind, memleaks tools,..

Related issues:

Related to CoCoALib - Feature #373: add DeleteCol, DeleteRow	**Closed**	**17 Jun 2013**

History

#1 - 17 Jun 2013 18:26 - Anna Maria Bigatti

- Status changed from New to Resolved

- Assignee set to Anna Maria Bigatti

- % Done changed from 0 to 90

fixed really subtle bug in myResize()

```
myEntries[i].resize(NumCols, myR->myNew()); // second arg not used
```

second argument is not used, but myNew is called (and created a dangling element).
So now we actually create a **useless** RingElem, and pass raw(useless) instead.

Not so horrible to find thanks to our wonderful memory debugger ;-)

```
[ERR] MemPoolDebug("RingDistrMPolyCleanImpl::myDMPPool") ERROR:  dtor, unfreed slices: NumSlices=3
ERROR!!!  RingQQ refcount = 4 but should be 1.
```

#2 - 29 Oct 2013 14:58 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99534 Seoul14 to CoCoALib-0.99532

#3 - 01 Apr 2014 18:09 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99532 to CoCoALib-0.99533 Easter14

#4 - 17 Apr 2014 00:40 - John Abbott

I guess you could use raw(zero(myR)) instead of raw(useless); though perhaps the latter is clearer?

#5 - 17 Apr 2014 08:24 - Anna Maria Bigatti

- Status changed from Resolved to Closed

- % Done changed from 90 to 100

- Estimated time set to 3.00 h

tested, added test-matrix4 (which indeed gave IMMINENT DISASTER before recompiling ;-)