

CoCoALib - Feature #1788

New MatrixView/function "FirstRows/FirstCols"?

08 Mar 2024 10:11 - Anna Maria Bigatti

Status:	Closed	Start date:	08 Mar 2024
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	New Function	Estimated time:	4.00 hours
Target version:	CoCoALib-0.99850	Spent time:	2.00 hours
Description			
I went through all the calls of submat in CoCoALib (not so many) and indeed most of them just select the first rows .			
Should we have another MatrixView class called FirstRows(M, long r)? Or, much easier to implement, a function called FirstRows(M, long r)? (same for cols)			
The implementation of a new MatrixView could be quite a bit simpler than the implementation of submat, but probably not worth the effort and "duplication" of code.			
2024-03 implemented as functions calling submat			
Related issues:			
Related to CoCoALib - Design #64: submat takes only vector<long>		Closed	15 Dec 2011
Related to CoCoALib - Feature #312: LongRange(a,b) returning vector of long a...		Closed	14 Feb 2013
Related to CoCoALib - Feature #202: MatrixView/function for viewing a single ...		Closed	04 Jul 2012

History

#1 - 08 Mar 2024 10:12 - Anna Maria Bigatti

- Related to Design #64: submat takes only vector<long> added

#2 - 08 Mar 2024 10:12 - Anna Maria Bigatti

- Related to Feature #312: LongRange(a,b) returning vector of long a..b (included) added

#3 - 08 Mar 2024 10:13 - Anna Maria Bigatti

- Related to Feature #202: MatrixView/function for viewing a single row or column (RowMat, ColMat) added

#4 - 08 Mar 2024 17:07 - Anna Maria Bigatti

- Subject changed from New MatrixView "FirstRowsCols"? to New MatrixView/function "FirstRows/FirstCols"?

- Description updated

- Assignee set to Anna Maria Bigatti

- % Done changed from 0 to 20

#5 - 08 Mar 2024 17:08 - Anna Maria Bigatti

After personal discussion, we agreed on new function (until we believe a new class would be considerably better)

#6 - 08 Mar 2024 17:09 - Anna Maria Bigatti

- Category changed from Data Structures to New Function

#7 - 20 Mar 2024 15:26 - Anna Maria Bigatti

- Status changed from New to Feedback

- Target version changed from CoCoALib-0.99880 to CoCoALib-0.99850

- % Done changed from 20 to 90

I liked this too much and I did it.
Called in some lib/5 tests, called by GradingMat.
Easy enough. should not need more testing than this.

Missing only documentation.

#8 - 20 Mar 2024 15:26 - Anna Maria Bigatti

- *Description updated*

#9 - 20 Mar 2024 15:53 - Anna Maria Bigatti

- *Status changed from Feedback to Closed*

- *% Done changed from 90 to 100*

Added documentation for CoCoALib/5.