

CoCoALib - Feature #1470

Get indexed indets from a polyring

25 Jun 2020 09:48 - John Abbott

Status:	New	Start date:	25 Jun 2020
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	New Function	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99900	Spent time:	0.25 hour
Description			
Make a class so that indexed indets from a polyring can be used with their "natural" indexes (rather than, say, c++ vector indexes).			
<pre>PolyRing P = NewPolyRing(RingQQ(), SymbolRange("x",1,4)); IndexedIndet x(P,"x"); cout << x(3) << endl; // prints x[3]</pre>			
Note that square brackets can be overloaded, but only with a single arg. Round brackets can be overloaded with several args -- I suggest overloads for 1,2,3 long and vector<long>			
Related issues:			
Related to CoCoA-5 - Feature #1469: Get indexed indets from a polyring		New	25 Jun 2020

History

#1 - 25 Jun 2020 09:48 - John Abbott

- Related to Feature #1469: Get indexed indets from a polyring added

#2 - 25 Jun 2020 09:51 - John Abbott

- Description updated

As usual, indexes should be of type long (no need for BigInt).

It seems reasonable to allow a "short-cut" for up to 3 indexes; certainly 1 and 2, but why not 3 as well?

Probably not worth overloading operator[]; it might be confusing to a C++ reader (who would think of a vector), and it works only for 1 index, while operator() can be made more flexible.

#3 - 07 Mar 2024 20:36 - John Abbott

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99900