CoCoALib - Feature #1803

Improve trivial operations with ideal whose GBasis is [1]

25 Mar 2024 19:06 - Anna Maria Bigatti

Status:	New	**Start date:**	25 Mar 2024
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:	CoCoALib-0.99900	**Spent time:**	0.00 hour

Description

Sum is clever -- if HasGBasis(I) and is ideal(1).
Do the same for product and for other similar operations.

```
use QQ[x,y,z];
I := ideal(x, x-1); GBasis(I);
ideal(y) + I;  ---> gives (1)    :-)
ideal(y) * I;  ---> uses generators    :-(
```

Related issues:

Related to CoCoALib - Design #1647: Suppress zero from ideal generators? Det...	**Closed**	**20 Jan 2022**

History

#1 - 25 Mar 2024 19:06 - Anna Maria Bigatti

- Related to Design #1647: Suppress zero from ideal generators? Detect 1 and simplify generators? added