CoCoALib - Bug #1725

resultant: gives wrong answer when should be 0

05 Mar 2023 20:14 - John Abbott

Status:	Closed		**Start date:**	05 Mar 2023
Priority:	High		**Due date:**	
Assignee:	John Abbott		**% Done:**	100%
Category:	Maths Bugs		**Estimated time:**	0.75 hour
Target version:	CoCoALib-0.99850		**Spent time:**	0.75 hour

Description

Here is a smaple input (in CoCoA-5):

```
/**/ A := x;
/**/ f := (A-1)*(A-2);
/**/ A := 2*x;
/**/ g := (A-1)*(A-2);
/**/ resultant(f,g,x);
6*x -6
```

Ooops!

History

#1 - 05 Mar 2023 20:15 - John Abbott

- Status changed from New to Resolved

- Assignee set to John Abbott

- % Done changed from 0 to 80

I have now fixed it. Will add a new exbugs test, and check in.

#2 - 06 Mar 2023 20:54 - John Abbott

- % Done changed from 80 to 90

Now I think I have really fixed it!
Also added an exbugs test.
Will check in shortly.

#3 - 09 Mar 2023 20:49 - John Abbott

- Status changed from Resolved to Closed

- % Done changed from 90 to 100

- Estimated time set to 0.75 h

I have some doubts about correct SubresultanSeq is... it seemed to contain a 0 for one test input (now forgotten).
Anyway, I think resultant is correct, so closing.