

## CoCoALib - Bug #1656

### SEGV in resultant

29 Jan 2022 15:22 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	29 Jan 2022
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Maths Bugs	<b>Estimated time:</b>	0.66 hour
<b>Target version:</b>	CoCoALib-0.99800	<b>Spent time:</b>	0.65 hour
<b>Description</b>			
A quick way to SEGV:  <pre>resultant(x^2+1, x/x, x);</pre> Sigh!  Anyone know what the resultant is when either or both polys is zero? [probably should give error]			
<b>Related issues:</b>			
Related to CoCoALib - Design #1653: Discriminant: return value		<b>Closed</b>	<b>27 Jan 2022</b>

### History

#### #1 - 29 Jan 2022 15:22 - John Abbott

- Related to Design #1653: Discriminant: return value added

#### #2 - 29 Jan 2022 17:03 - John Abbott

- Status changed from New to Feedback

- Assignee set to John Abbott

- % Done changed from 0 to 90

The problem was in some unrefined code for computing subresultant sequences.  
Now it is more robust.

#### #3 - 04 Feb 2022 21:33 - John Abbott

- Status changed from Feedback to Closed

- % Done changed from 90 to 100

- Estimated time set to 0.66 h

I have added a test to exbugs.cocoa5 -- the one given in the description.  
Closing.