

CoCoA-5 - Bug #1639

RealRoots: crashes after interrupting

07 Dec 2021 17:49 - John Abbott

Status:	New	Start date:	07 Dec 2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	bug	Estimated time:	0.00 hour
Target version:	CoCoA-5.4.2	Spent time:	0.25 hour

Description

Naturally I discovered this while giving a demo to my students...

```
/**/ use QQ[x,y,z];  
/**/ f := product([x-k | k in 0..1000]);  
/**/ RR:=RealRoots(f);  
C-c C-c***ERROR*** UNCAUGHT UNKNOWN EXCEPTION
```

```
Process cocoa5 exited abnormally with code 1
```

History

#1 - 07 Dec 2021 20:26 - John Abbott

I still get a crash with `product([x-k | k in 0..600])` and interrupting after about 20s.
Trying with 500 instead of 600 did not trigger a crash.

Very odd! Could it be some sort of stack-overflow?