

## CoCoA-5 - Feature #25

### Function "Call"

08 Nov 2011 15:36 - Anna Maria Bigatti

<b>Status:</b>	Closed	<b>Start date:</b>	08 Nov 2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	100%
<b>Category:</b>	CoCoA-4 function: obsolete	<b>Estimated time:</b>	2.50 hours
<b>Target version:</b>	CoCoA-5.1.1 Seoul14	<b>Spent time:</b>	2.55 hours
<b>Description</b> In CoCoA-5 there was a function <u>called</u> "Call" (apply a function to given arguments) <u>called</u> like this :-)  <pre>MyMax(Function("LT_Standard"), 3, 5);</pre> Now it is pointless because we can call directly "LT_Standard(3,5);" instead of calling it with "Call" (having fun ;-)  Moreover in CoCoA-5 there is no function called "Function" to call (hahaha)  Now the serious question: should we keep "Call" for backward compatibility?  <b>2014-08</b> Final decision: OBSOLETE			
<b>Related issues:</b> Related to CoCoA-5 - Design #532: New package: OBSOLESCENT			
		<b>Closed</b>	<b>09 Apr 2014</b>

### History

#### #1 - 08 Nov 2011 15:37 - Anna Maria Bigatti

- Category set to CoCoA-4 function: obsolete

#### #2 - 08 Nov 2011 15:51 - John Abbott

JAA opposes the proposal because he thinks that it is no longer needed now that we have functions as first class objects (and he also thinks that **Call** was an ugly appendage). He is willing to be persuaded otherwise if a reasonable example can be found where **Call** produces a neater solution than using a first-class function value.

The lack of backward compatibility is unlikely to be a serious problem because **Call** was used only rarely (e.g. 6 times in the C4 packages).

#### #3 - 10 Nov 2011 17:10 - John Abbott

The **Call** function is used when running the C4 tests. Not sure how easy it will be to rewrite the code which runs the tests if **Call** is not available -- needs investigation.

#### #4 - 15 Nov 2011 12:50 - Anna Maria Bigatti

John Abbott wrote:

The **Call** function is used when running the C4 tests. Not sure how easy it will be to rewrite the code which runs the tests if **Call** is not available -- needs investigation.

The only call I found in packages/ts/ is in DoTests which is not called.

I believe also other calls in the packages can be updated. (crossing fingers)

**#5 - 01 Mar 2012 16:05 - John Abbott**

- % Done changed from 0 to 50

Based on the premise "It is easier to add features later than to remove them", JAA suggests that we do not offer a Call function similar to that in C4.

If a genuine need for such a function arises then we can reconsider the question (but I doubt that the need will ever arise).

**#6 - 01 Mar 2012 16:10 - John Abbott**

A find-grep shows that Call appears in the following files:

cocoa5.cpkg  
contrib/CantStop.cpkg  
contrib/thmproving.cpkg  
list.cpkg  
man/help.cpkg  
monomial\_ideals.cpkg  
ts/ts\_lib.cpkg

Anna, could you verify that all these uses can be easily replaced by other code in C5 (or even removed altogether).

**#7 - 02 Apr 2014 17:33 - Anna Maria Bigatti**

- Target version set to CoCoA-5.1.0 Easter14

**#8 - 09 Apr 2014 17:47 - John Abbott**

- Target version changed from CoCoA-5.1.0 Easter14 to CoCoA-5.1.1 Seoul14

**#9 - 28 Jul 2014 17:01 - Anna Maria Bigatti**

- Assignee set to Anna Maria Bigatti

- Estimated time set to 2.50 h

It is now officially documented as OBSOLETE, so I close this issue.

**#10 - 01 Sep 2014 15:47 - John Abbott**

- Status changed from New to Closed

- % Done changed from 50 to 100

Apparently this has already been done (but Anna forgot to "close" properly).