

## CoCoA-5 - Design #610

### Variable It: assign before or after printing

02 Sep 2014 15:33 - John Abbott

<b>Status:</b>	New	<b>Start date:</b>	02 Sep 2014
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	enhancing/improving	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoA-5.4.2	<b>Spent time:</b>	0.20 hour
<b>Description</b> I found this is an old email (20101119).  Currently given a freestanding top-level expr C5 evaluates it, prints the value, and then assigns it to It. I discovered this while trying to track a memory problem: every malloc/free printed a logging message -- I was surprised to see so many logging messages appear after the result was printed.  In any case I want to be sure that if printing is interrupted then I can still rely on the assignment to It having been completed before the prompt reappears.  A "psychological" disadvantage to assigning to It before printing the result is that a simple computation could appear to take a long time if It previously contained a large result which takes some time to delete.  Opinions? Am I simply creating a problem where none existed?			
<b>Related issues:</b> Related to CoCoA-5 - Feature #1271: Allow Interruption of printing? <div>In Progress16 Apr 2019</div>			

### History

#### #1 - 02 Mar 2020 21:57 - John Abbott

- Description updated
- Target version changed from CoCoA-5.?.? to CoCoA-5.4.0

#### #2 - 04 Mar 2020 21:13 - John Abbott

If we make printing interruptible then it would be better to assign to It before printing (o/w the assignment may never occur).

#### #3 - 04 Mar 2020 22:23 - John Abbott

- Related to Feature #1271: Allow Interruption of printing? added

#### #4 - 04 Nov 2021 20:34 - John Abbott

- Target version changed from CoCoA-5.4.0 to CoCoA-5.4.2

Is the value "assigned" to It or swapped into It (hopefully without being copied more than strictly necessary)?