CoCoA-5 - Design #610

Variable It: assign before or after printing

02 Sep 2014 15:33 - John Abbott

Status:	New		**Start date:**	02 Sep 2014
Priority:	Low		**Due date:**	
Assignee:			**% Done:**	0%
Category:	enhancing/improving		**Estimated time:**	0.00 hour
Target version:	CoCoA-5.4.2		**Spent time:**	0.20 hour

Description

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?

Related issues:

Related to CoCoA-5 - Feature #1271: Allow Interruption of printing?	**In Progress**	**16 Apr 2019**

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)?