

CoCoA-5 - Bug #486

Warning about variable hiding another -- too zealous

20 Mar 2014 17:29 - John Abbott

Status:	New	Start date:	20 Mar 2014
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Parser/Interpreter	Estimated time:	20.00 hours
Target version:	CoCoA-5.?.?	Spent time:	0.25 hour
Description The warning are sometimes is needlessly alarmist: <pre>Define F(L) A := [abs(L[I]+1) I in 1..len(L)]; I := 1; While A[I] < 2 Do I:=I+1 EndWhile; Return I; EndDefine; -- F</pre> Theis produces a WARNING that the loop variable I bound inside [...] is hiding the main variable I (which is "created" only after the loop has finished). Can we avoid these incorrect warnings?			
Related issues: Related to CoCoA-5 - Support #692: Local variables hiding out ones at top level			
		Rejected	04 May 2015

History

#1 - 20 Mar 2014 17:34 - John Abbott

How to determine the "scope" of a variable?
A function comprises a sequential succession of "top-level" commands; the scope is from the first sequential step where it appears onward to the end of the func.

NOTE a "sequential step" could be a loop, so the scope of a variable may start before the first occurrence in the source code.

#2 - 02 Apr 2014 17:34 - Anna Maria Bigatti

- Target version set to CoCoA-5.1.0 Easter14

#3 - 09 Apr 2014 17:30 - John Abbott

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

#4 - 01 Sep 2014 13:55 - John Abbott

- Target version changed from CoCoA-5.1.1 Seoul14 to CoCoA-5.?.?
- Estimated time set to 20.00 h