

CoCoALib - Bug #1705

ProgressReporter: prepare for new loop?

24 Oct 2022 15:15 - John Abbott

Status:	In Progress	Start date:	24 Oct 2022
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	80%
Category:	Improving	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99880	Spent time:	1.45 hour
<b>Description</b> I have a program with 3 loops, and would like to have progress info about each loop. The 1st loop is very fast; the 2nd loop is quite a bit slower; and the 3rd loop is slower still. All 3 loops do the same number of iterations.  My idea was to use a single ProgressReporter object for all 3 loops, but it does not report anything for the slower loops.  Fix this!			

History

#1 - 24 Oct 2022 15:18 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

A likely cause is that the frequency of proper time checks is too low (because of the very fast iters of the 1st loop).

Two obvious possible fixes:

- (A) impose a lower upper bound on the frequency between proper checks
- (B) offer a PrepareForNewLoop function (similar to CpuTimeLimit)

At the moment I prefer (B) but its does require cooperation from the user.  
Maybe I should do both?

Or is the cause other than what I believe?

#2 - 03 Nov 2022 14:31 - Anna Maria Bigatti

John Abbott wrote:

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I also prefer **(B)**. Maybe ResetForNewLoop?

**#3 - 04 Nov 2022 13:45 - John Abbott**

- Assignee set to John Abbott
- % Done changed from 10 to 50

I have revised the impl -- it now works better.

Much of this code is quite similar to CpuTimeLimit.

The common part should be abstracted.

**#4 - 10 Mar 2023 17:40 - John Abbott**

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880
- % Done changed from 50 to 80

**#5 - 21 Mar 2023 05:27 - John Abbott**

I am not so happy with the name **myPrepareForLoop**.  
Is there a better name?

**#6 - 25 Apr 2024 21:40 - John Abbott**

Maybe just **myReset**? Or is that too vague? It is short, which I like.  
So far we have been using myPrepareForNewLoop for over a year... well, maybe it has not been used much?