

CoCoA-5 - Slug #750

C5 GUI: very slow when printing many short lines

27 Jul 2015 16:50 - John Abbott

Status:	Closed	Start date:	27 Jul 2015
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	GUI	Estimated time:	1.23 hour
Target version:	CoCoA-5.4.2	Spent time:	1.15 hour
Description			
The GUI takes ages to print out the following:			
<pre>indent (1..100000);</pre>			
No idea why :("top" says my computer is 88% idle... odd!			
Related issues:			
Related to CoCoA-5 - Bug #1093: GUI: bugs and slugs		In Progress	23 Jul 2017
Related to CoCoA-5 - Design #1698: indent: return a string?		Closed	27 Sep 2022

History

#1 - 23 Jul 2017 16:15 - John Abbott

- Related to Bug #1093: GUI: bugs and slugs added

#2 - 18 Aug 2022 15:27 - John Abbott

2022-08-18: JAA confirms that this slug is still present.
It suffices to test **indent(1..1000)**

top reported that gnome-shell was using about 30% CPU.

I wonder if output is too often flushed?

#3 - 27 Sep 2022 22:27 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

I created a single string containing many new lines: this printed instantly.

```
jaa := "jaa\n";  
S := ConcatStrings([jaa | i in 1..1000]);  
println S; --> instant in GUI
```

This does make me wonder whether "println" causes a costly flush.
A workaround could be to make indent return a string rather than calling println many times.
The code would stay almost the same, except it would print onto an OpenOString.

#4 - 27 Sep 2022 22:33 - John Abbott

- Related to Design #1698: indent: return a string? added

#5 - 07 Oct 2022 11:06 - John Abbott

- Status changed from In Progress to Closed

- Assignee set to John Abbott

- Target version changed from CoCoA-5.?.? to CoCoA-5.4.2

- % Done changed from 10 to 100

- Estimated time set to 1.23 h

We do not really have the resources to investigate and fix this. While the "slow newline problem" is not ideal, it is also not so very serious.

We close this issue because: severity low, difficulty/time great.