CoCoA-5 - Bug #1307

Linking problem

05 Sep 2019 11:23 - John Abbott

Status:	Closed		Start date:	05 Sep 2019
Priority:	Normal		Due date:	
Assignee:			% Done:	100%
Category:	Portability		Estimated time:	0.00 hour
Target version:	CoCoA-5.3.0		Spent time:	2.50 hours

Description

I have recently tried to compile CoCoAInterpreter with (several) external libraries selected.
The compilation failed with many messages like this one:

```
...(frobby.o): relocation R_X86_64_32S against symbol `_ZTV11IdealFacade' can not be used when making a PIE object; recompile with -fPIC
```

This never happened before. I am not entirely sure what the problem is, nor what the correct solution is.

History

#1 - 05 Sep 2019 11:28 - John Abbott

My platform is Ubuntu 18.04, and the compiler is gcc version 7.4.0.

The compiler says it was configured with the option **--enable-default-pie**.

A temporary solution is to get make to print out the final linking line for making CoCoAInterpreter, and then edit that line to insert the flag **-no-pie**.

#2 - 05 Sep 2019 16:17 - John Abbott

- Status changed from New to Closed

- % Done changed from 0 to 100

The problem was that I was trying to link against libraries which I had compiled before installing the new OS.
Recompiling the external libraries has resolved this problem.