

Anubis - Bug #51

Int arithmetic (wrong value then VM crash)

07/27/2008 05:14 PM - SpiceGuid -

Status:	Assigned	Start date:	
Priority:	Normal	Due date:	
Assignee:	Alain Prouté	% Done:	0%
Category:	Virtual Machine	Estimated time:	0.00 hour
Target version:		Triage Stage:	
Platform:			
Resolution:			
Description			
Could be a nice code example :) Sadly some arithmetic debugging is still needed :(<pre>// Spigot by Jeremy Gibbons, using William Gosper formula public define Int div(Int a,Int b) = if a / b is { failure then 0, success(d) then if d is (q,r) then q }. global define One pi_gosper_gibbons(List(String) args) = ((Int q,Int r,Int t,Int i) -g-> with u = 3*(3*i+1)*(3*i+2), y = div(q*(27*i-12)+5*r,5*t), print(abs_to_decimal(y)); g(10*q*i*(2*i-1),10*u*(q*(5*i-2)+r-y*t),t*u,i+1); unique) (1,180,60,2).</pre>			

History

#1 - 07/27/2008 10:45 PM - Alain Prouté

- Status changed from New to Assigned

Thank you for this very nice example. Actually, division for Int is still buggy. I hope this will be fixed soon.