

Ruby master - Bug #13298

mingw SEGV TestEnumerable#test_calcc

03/09/2017 08:34 PM - MSP-Greg (Greg L)

Status:	Assigned	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:	ruby 2.5.0dev (2017-03-09 trunk 57821) [x64-mingw32]	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

Description

First week in January, when I first started building, I had a SEGV in test-all occurring in TestEnumerable#test_calcc. I patched around it, but decided it was time to see if I could find a solution.

The issue occurs in [test/ruby/test_enum.rb:559-570](#). Below is the code:

```
assert_raise(RuntimeError) do
  c = nil
  o = Object.new
  class << o; self; end.class_eval do
    define_method(:<=>) do |x|
      callcc {|c2| c ||= c2 }
      0
    end
  end
  [o, o].sort_by {|x| x }
  c.call
end
```

While trying to determine the problem in a separate test environment, I stumbled across an odd solution.

Add the line `c.to_s` immediately before the `c.call` line. My system no longer stops.

I'd be happy to do a PR, but I can only test on Windows.

Two questions --

1. Might all of tests that involve `callcc` or `Continuation` be moved into another test file? Since it is considered 'obsolete'... I'd be happy to do.
2. Rather odd that this fixes the issue. Any ideas?

```
--- test/ruby/test_enum.rb.orig Thu Mar 09 07:54:37 2017
+++ test/ruby/test_enum.rb Thu Mar 09 11:39:07 2017
@@ -568,2 +568,3 @@
     [o, o].sort_by {|x| x }
+    c.to_s
     c.call
```

History

#1 - 03/09/2017 08:58 PM - MSP-Greg (Greg L)

- File `test_enum_559.txt` added

Added SEGV log.

Also, listed method calls sort with two items, and faults. Next call does the same with three items. No error. Hence,

1. Any ideas?

#2 - 03/13/2017 08:56 AM - shyouhei (Shyouhei Urabe)

- Assignee set to nobu (Nobuyoshi Nakada)

- Status changed from Open to Assigned

Files

test_enum_559.txt	10.6 KB	03/09/2017	MSP-Greg (Greg L)
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