

## Backport192 - Backport #4082

### Segfault with tailcall\_optimization and class definition

11/23/2010 12:21 AM - judofyr (Magnus Holm)

<b>Status:</b>	Closed
<b>Priority:</b>	Normal
<b>Assignee:</b>	yugui (Yuki Sonoda)
<b>Description</b>	
=begin Code:	
<pre>RubyVM::InstructionSequence.compile_option = {   :tailcall_optimization =&gt; true,   :trace_instruction =&gt; false }  RubyVM::InstructionSequence.new(&lt;&lt;-EOF).eval class Foo   def fact_helper(n, res)     if n == 1       res     else       fact_helper(n - 1, n * res)     end   end end    def fact(n)     fact_helper(n, 1)   end end EOF  p Foo.new.fact(30000)</pre>	
<b>Error:</b>	
<pre>&lt;compiled&gt;:6: [BUG] Segmentation fault ruby 1.9.2p0 (2010-08-18 revision 29036) [x86_64-darwin10.4.0]  -- control frame ----- c:0004 p:0031 s:0014 b:0011 l:000010 d:000010 METHOD &lt;compiled&gt;:6 c:0003 p:0078 s:0007 b:0006 l:001588 d:001e68 EVAL -:22 c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH c:0001 p:0000 s:0002 b:0002 l:001588 d:001588 TOP -----  -- Ruby level backtrace information ----- -:22:in `&lt;main&gt;' &lt;compiled&gt;:6:in `fact_helper'  -- C level backtrace information -----  [NOTE] You may have encountered a bug in the Ruby interpreter or extension libraries. Bug reports are welcome. For details: <a href="http://www.ruby-lang.org/bugreport.html">http://www.ruby-lang.org/bugreport.html</a>  Abort trap</pre>	
=end	

#### History

#1 - 11/23/2010 12:33 AM - naruse (Yui NARUSE)

- Status changed from Open to Assigned
- Assignee set to ko1 (Koichi Sasada)
- Priority changed from Normal to 3

=begin

=end

**#2 - 11/23/2010 06:57 PM - nobu (Nobuyoshi Nakada)**

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

=begin

This issue was solved with changeset [r29885](#).  
Magnus, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

=end

**#3 - 11/24/2010 07:20 AM - nobu (Nobuyoshi Nakada)**

- Category set to core
- Status changed from Closed to Assigned
- Assignee changed from ko1 (Koichi Sasada) to yugui (Yuki Sonoda)
- Priority changed from 3 to Normal

=begin

=end

**#4 - 12/20/2010 10:27 PM - yugui (Yuki Sonoda)**

- Status changed from Assigned to Closed

=begin

This issue was solved with changeset [r30265](#).  
Magnus, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

=end