

Ruby trunk - Bug #2657

rubyspec: The return keyword within define_method goes through the method via a closure FAILED

01/26/2010 07:59 PM - mame (Yusuke Endoh)

Status: Closed	
Priority: Normal	
Assignee: ko1 (Koichi Sasada)	
Target version: 2.0.0	
ruby -v: ruby 1.9.2dev (2010-01-26 trunk 26420) [i686-linux]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description	
<pre>=begin [] [] rubyspec [] 9) The return keyword within define_method goes through the method via a closure FAILED Expected :bad to equal :good /home/mame/work/ruby/spec/rubyspec/language/return_spec.rb:269:in block (3 levels) in <top (required)>' /home/mame/work/ruby/spec/rubyspec/language/return_spec.rb:4:in' ○ \$./ruby -e ' class C define_method(:foo) do &x x.call end def outer foo { return :good } return :bad end end p C.new.outer ' ok :bad []:good [] :bad [] [] ok [] 1.8 [] :good [] define_method [] def [] 1.9 [] :good []:good [] ○ rb_vm_invoke_proc [] lambda [] TAG_RETURN [] [] [] lambda [] return [] lambda [] [] TAG_RETURN [] vm_exec [] goto finish_vme; [] [] • [] ([] rubyspec []) • [] rubyspec []</pre>	

(<http://dame.dyndns.org:7001/20100126/ruby/vm.c> rb_vm_invoke_proc
1)

- `printf` (2008-06-17 [r17390](#)
) `lambda { return }.call`

```
diff --git a/vm.c b/vm.c
index bb19ecb..f03cf31 100644
--- a/vm.c
+++ b/vm.c
```

○

```
@@ -609,21 +609,6 @@ rb_vm_invoke_proc(rb_thread_t *th, rb_proc_t *proc, VALUE self,
```

```
if (state) {
```

- `if (state == TAG_RETURN && proc->is_lambda) {`
- `VALUE err = th->errinfo;`
- `VALUE *escape_dfp = GET_THROWOBJ_CATCH_POINT(err);`
- `if (escape_dfp == cfp->dfp) {`
- `printf("ok\n");`
- `state = 0;`
- `th->errinfo = Qnil;`
- `th->cfp = cfp;`
- `val = GET_THROWOBJ_VAL(err);`
- `}`
- `}`
- `-`
- `if (state) { JUMP_TAG(state); } return val;`

```
--
Yusuke ENDOH mame@tsg.ne.jp
=end
```

History

#1 - 01/26/2010 08:09 PM - ko1 (Koichi Sasada)

```
=begin

```

(2010/01/26 19:59), Yusuke Endoh wrote::

○

```
rb_vm_invoke_proc lambda TAG_RETURN
```

```
lambda return lambda
TAG_RETURN vm_exec
goto finish_vme;
```

- `rubyspec`
- `rubyspec` `rb_vm_invoke_proc`
(<http://dame.dyndns.org:7001/20100126/ruby/vm.c> rb_vm_invoke_proc
1)
- `printf` (2008-06-17 [r17390](#)
) `lambda { return }.call`

~~~~~  
~~~~~

~~~~~

--  
// SASADA Koichi at atdot dot net  
=end

#2 - 01/26/2010 08:09 PM - ko1 (Koichi Sasada)

=begin  
~~~~~

(2010/01/26 19:59), Yusuke Endoh wrote::

○

rb_vm_invoke_proc 呼び出す lambda を TAG_RETURN で返す

~~~~~  
~~~~~  
~~~~~ lambda を return で lambda を返す  
~~~~~ TAG\_RETURN で vm\_exec を返す  
goto finish_vme; 呼び出す

~~~~~

- 呼び出す ( ruby-spec を参照)
- 呼び出す rubyspec を参照 (<http://dame.dyndns.org:7001/20100126/ruby/vm.c> を rb\_vm\_invoke\_proc  
参照)
- 呼び出す printf (2008-06-17 を [r17390](#)  
参照) 呼び出す lambda { return }.call 呼び出す

~~~~~  
~~~~~

~~~~~

--
// SASADA Koichi at atdot dot net
=end

#3 - 01/26/2010 08:37 PM - mame (Yusuke Endoh)

- *Status changed from Open to Closed*

- *% Done changed from 0 to 100*

=begin

This issue was solved with changeset [r26425](#).

Yusuke, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

=end