

## 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)

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	ko1 (Koichi Sasada)	
<b>Target version:</b>	2.0.0	
<b>ruby -v:</b>	ruby 1.9.2dev (2010-01-26 trunk 26420) [i686-linux]	<b>Backport:</b> 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

#### Description

```
=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] :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 []

(<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,
 }
```

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

