Ruby master - Bug #1501

Enumerator.new { }.take(1).inject(&:+) causes stack overflow

05/21/2009 10:54 PM - mame (Yusuke Endoh)

Status:	Closed		
Priority:	Normal		
Assignee:	ko1 (Koichi Sasada)		
Target version:	2.0.0		
ruby -v:	ruby 1.9.2dev (2009-05-19 trunk 23489) [i686-linux]	**Backport:**	

Description

=begin
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$ ./ruby -ve 'Enumerator.new { }.take(1).inject(&:+)'
ruby 1.9.2dev (2009-05-19 trunk 23489) [i686-linux]
-e:1:in proc': stack level too deep (SystemStackError)
from -e:1:into_proc'
from -e:1:in `'

1.9.1-p0 □□□□□□□□□

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□□□□□□vm.c □ rb_vm_make_proc □ vm_make_proc_from_block □
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cfp->lfp[0] □□□□□□□□□□□□□□□ enumerator.c □□

- yielder_new □ rb_iterate(yielder_new_i, ...) □□□
- passed_block □□□□□□□
- yielder_new_i □ Ruby □□□□□□□□□□□□□□□□□□□□
- passed_block □□□□□□□□□□yielder_new □□□□□YARV □ eval □□□□□□□
- passed_block □□□□□□□□□□□ cfp->lfp[0] □□□□□□□

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Index: enumerator.c
===
--- enumerator.c (revision 23508)
+++ enumerator.c (working copy)
@@ -720,7 +720,7 @@
static VALUE
yielder_new_i(VALUE dummy)
{

- return yielder_init(yielder_allocate(rb_cYielder), rb_block_proc());
- return yielder_init(yielder_allocate(rb_cYielder), rb_funcall(Qnil, rb_intern("proc"), 0)); }

static VALUE

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- passed_block □□□□□□□□□eval □□□□□□□□□ Ruby □□□□
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- rb_iterate □ rb_block_call □□□□□□□□□□□□□□□□□□□□□□
  Ruby □□□□□□□□□□□□□□□□□□□□□

□□□ C API □□□□□□□□□□□□□□□□□□ README.EXT □□□
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--
Yusuke ENDOH mame@tsg.ne.jp
=end

History

#1 - 05/21/2009 10:58 PM - mame (Yusuke Endoh)

- Category set to core

- Status changed from Open to Assigned

- Assignee set to ko1 (Koichi Sasada)

- Priority changed from 3 to Normal

- Target version set to 2.0.0

- ruby -v set to ruby 1.9.2dev (2009-05-19 trunk 23489) [i686-linux]

=begin

=end

#2 - 05/22/2009 05:40 AM - ko1 (Koichi Sasada)

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Yusuke ENDOH wrote::

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Index: enumerator.c
===
--- enumerator.c (□□□□□□ 23496)
+++ enumerator.c (□□□□□□)
@@ -718,12 +718,6 @@
}

static VALUE
-yielder_new_i(VALUE dummy)
-{

- return yielder_init(yielder_allocate(rb_cYielder), rb_block_proc()); -} - -static VALUE yielder_yield_i(VALUE obj, VALUE memo, int argc, VALUE *argv) { return rb_yield_values2(argc, argv); @@ -732,7 +726,7 @@ static VALUE yielder_new(void) {
- return rb_iterate(yielder_new_i, (VALUE)0, yielder_yield_i, (VALUE)0);
- return yielder_init(yielder_allocate(rb_cYielder), rb_proc_new(yielder_yield_i, 0)); }

/*

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- passed_block □□□□□□□□□eval □□□□□□□□□ Ruby □□□□ □□□□□□□□□ passed_block □□□□□□□□□□□□□□□

yes.

- rb_iterate □ rb_block_call □□□□□□□□□□□□□□□□□□□□ Ruby □□□□□□□□□□□□□□□□□□□□

yes.

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// SASADA Koichi at atdot dot net
// □□□□□ Ruby □□□□□□□□□□□□□□

=end

#3 - 05/22/2009 07:41 AM - matz (Yukihiro Matsumoto)

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In message "Re: [ruby-dev:38521] Re: [Bug:1.9] Enumerator.new { }.take(1).inject(&:+) causes stack overflow"
on Fri, 22 May 2009 05:39:46 +0900, SASADA Koichi ko1@atdot.net writes:

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=end

#4 - 05/22/2009 10:00 AM - mame (Yusuke Endoh)

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2009/05/22 5:39 SASADA Koichi ko1@atdot.net:

> Yusuke ENDOH wrote::
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Index: README.EXT
===
--- README.EXT (revision 23508)
+++ README.EXT (working copy)
@@ -1159,11 +1159,22 @@

** Control Structure

- VALUE rb_iterate(VALUE (*func1)(), void *arg1, VALUE (*func2)(), void *arg2)
- VALUE rb_block_call(VALUE recv, ID mid, int argc, VALUE * argv,
- VALUE (*func) (ANYARGS), VALUE data2)

+Calls a method on the recv, with the method name specified by the
+symbol mid, supplying func as the block. func will receive the
+value from yield as the first argument, data2 as the second, and
+argc/argv as the third/fourth arguments.
+

- [OBSOLETE] VALUE rb_iterate(VALUE (*func1)(), void *arg1, VALUE (*func2)(), void *arg2) + Calls the function func1, supplying func2 as the block. func1 will be called with the argument arg1. func2 receives the value from yield as the first argument, arg2 as the second argument. + +When rb_iterate is used in 1.9, func1 has to call some Ruby-level method. +This function is obsolete since 1.9; use rb_block_call instead.

VALUE rb_yield(VALUE val)

Index: README.EXT.ja
===
--- README.EXT.ja (revision 23508)
+++ README.EXT.ja (working copy)
@@ -1258,11 +1258,22 @@

** □□□□

-VALUE rb_iterate(VALUE (*func1)(), VALUE arg1, VALUE (*func2)(), VALUE arg2)
+VALUE rb_block_call(VALUE obj, ID mid, int argc, VALUE * argv,

- [redacted]
- func□□□□□□□□□□□□, obj□□□□□, argc□argv□□
- □□□□mid□□□□□□□□□□. func□□□□□□□yield□□□
- □, □□□□□□data2, □□, □□□□□□argc□argv□□□□□.
  +
  +[OBSOLETE] VALUE rb_iterate(VALUE (*func1)(), VALUE arg1, VALUE
  (*func2)(), VALUE arg2)
  +
  func2□□□□□□□□□□□□, func1□□□□□□□□□□□□□□□
  func1□□ arg1□□□□□□□□□□, func2□□□1□□□□□□□□
  □□□□□□□□□□, □2□□□arg2□□□□□□□
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- 1.9□obsolete□□□□. □□□□rb_block_call□□□□□□□.

VALUE rb_yield(VALUE val)

--
Yusuke ENDOH mame@tsg.ne.jp

=end

#5 - 06/15/2009 06:36 AM - ko1 (Koichi Sasada)

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Yusuke ENDOH wrote::

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// SASADA Koichi at atdot dot net

=end

#6 - 07/14/2009 01:17 AM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

=begin
Applied in changeset r24094.
=end