

Ruby trunk - Bug #4029

Stack consistency error (sp: 7, bp: 8) using external libs

11/06/2010 07:09 AM - catswhiskers (Andrew Senior)

| | | |
|------------------------|--|------------------|
| Status: | Rejected | |
| Priority: | Normal | |
| Assignee: | ko1 (Koichi Sasada) | |
| Target version: | 1.9.3 | |
| ruby -v: | ruby 1.9.2p0 (2010-08-18) [armv7l-linux-eabi] | Backport: |

Description

```
=begin
cat example_ext.c

#include "ruby.h"
VALUE cMyClass;

static VALUE
my_func( VALUE receiver, VALUE args )
{
  int offset;
  for (offset = 0; offset < 6; offset++)
  {
    switch (TYPE(RARRAY_PTR(args)[offset])) {
    case T_STRING:
      printf("Arg reads %s\n", RSTRING_PTR(RARRAY_PTR(args)[offset]));
      break ;
    case T_DATA:
      printf("Data \n");
      break ;
    case T_SYMBOL:
      printf("Symbol \n");
      break ;
    case T_ARRAY:
      printf("Array \n");
      break ;
    case T_HASH:
      printf("Hash \n");
      break ;
    case T_OBJECT:
      printf("Object \n");
      break ;
    case T_NIL:
      printf("Nil \n");
      break ;
    case T_FIXNUM:
      printf("Fnum \n");
      break ;
    case T_BIGNUM:
      printf("Bnum \n");
      break ;
    case T_CLASS:
      printf("Class \n");
      break ;/* */
    default:
      rb_p(TYPE(RARRAY_PTR(args)[offset]));
      printf("index %d\n", offset);
    }
  }
}
static VALUE my_init( VALUE self )
{
  return self;
}
```

```

}
VALUE cMyClass;
void Init_example_ext(void)
{
cMyClass = rb_define_class("MyClass", rb_cObject);
rb_define_method(cMyClass, "initialize", my_init, 0);
rb_define_method(cMyClass, "my_meth", my_func, -2);
}

cat probe.rb
require 'example_ext'
x = MyClass.new
WT = 0
win = File.new('test/proto.rb')
x.my_meth( nil, win, [], "sept", WT, x ) <<<<<<<< OK
x.my_meth( nil, win, [], "sept", x, WT ) <<<<<<<< BUT
probe.rb:6: [BUG] Stack consistency error (sp: 7, bp: 8)
ruby 1.9.2p0 (2010-08-18) [armv7l-linux-eabi]

-- control frame -----
c:0003 p:0113 s:0007 b:0008 l:000244 d:001214 EVAL   probe.rb:6
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:000244 d:000244 TOP

```

```

-- Ruby level backtrace information -----
probe.rb:6:in ``

```

```

-- C level backtrace information -----

```

Not had time to test this in x86 systems. Tried with ruby 1.9.2p0 (2010-08-18) and latest stable tarball.
=end

History

#1 - 11/07/2010 06:39 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback

```

=begin
I can't reproduce it with 1.9.2p430 and trunk on x86 darwin and linux, regardless fix of a bug that my_func() returns indefinite value.
=end

```

#2 - 06/26/2011 04:10 PM - naruse (Yui NARUSE)

- Status changed from Feedback to Assigned

- Assignee set to ko1 (Koichi Sasada)

Do you have any information?

#3 - 06/26/2011 04:16 PM - nahi (Hiroshi Nakamura)

- Target version changed from 1.9.2 to 1.9.3

#4 - 06/26/2011 07:26 PM - ko1 (Koichi Sasada)

- Status changed from Assigned to Rejected

Is it reproducible? If so, we'll reopen it.