The code below prints:
C
main
Object::m

which means that the super calls the instance method B#m on a receiver that is not an instance of B. It's not what makes the super
call to pick the main object as a receiver in this case. I would expect it to use the "self" object that the block captures, i.e. the class
object C, and thus an exception "no superclass method `m' (NoMethodError)" should be raised.

class B
def m
  puts self.class.to_s + ':m'
end

class C < B
  q = Proc.new do
    super()
  end

  mq = define_method :m, &q
  mq.call
end

BTW: The behavior is even worse in Ruby 1.9:
ruby 1.9.1p129 (2009-05-12 revision 23412) [i386-mswin32]
C
a.rb:11:in ==': wrong number of arguments(0 for 1) (ArgumentError)
  from a.rb:11:inblock in class:C'
  from a.rb:11:in<possibly in
  from a.rb:11:indf C'
  from a.rb:8:in <unp
=end

Related issues:
Has duplicate Ruby master - Bug #3136: reuse of singleton method definition c...

Associated revisions
Revision d1b77f5e442d6104b92e7edf272262ac66e44 - 08/21/2010 10:00 AM - wanabe (_ wanabe)

- vm.c (vm_define_method): copy iseq to avoid overwriting iseq->klass. #2502, #3136. see #2420.
  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@29063 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d1b77f5e - 08/21/2010 10:00 AM - wanabe (_ wanabe)
vm.c (vm_define_method): copy iseq to avoid overwriting iseq->klass. #2502, #3136. see #2420.

Revision 29063 - 08/21/2010 10:00 AM - wanabe (_wanabe)

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Revision 29063 - 08/21/2010 10:00 AM - wanabe (_wanabe)

vm.c (vm_define_method): copy iseq to avoid overwriting iseq->klass. #2502, #3136. see #2420.

History

#1 - 05/28/2010 12:47 AM - mame (Yusuke Endoh)
- Assignee changed from nobu (Nobuyoshi Nakada) to ko1 (Koichi Sasada)
- Target version set to 2.0.0

=begin
Hi,

I committed r28043 as temporary measure for 1.9.2 release. This will be fixed correctly at 1.9.3 or later. See [Bug #2502] [Bug #3136] in detail.

--
Yusuke Endoh mame@tsg.ne.jp
=end

#2 - 08/21/2010 07:07 PM - wanabe (_wanabe)
- Status changed from Open to Closed

=begin
This issue was solved with changeset r29063. Yusuke, thank you for reporting this issue. Your contribution to Ruby is greatly appreciated. May Ruby be with you.

=end

#3 - 08/21/2010 07:19 PM - wanabe (_wanabe)
- Status changed from Closed to Open

=begin

=end

#4 - 09/14/2010 04:11 PM - shyouhei (Shyouhei Urabe)
Hi, can I close this?

#5 - 06/11/2011 02:56 PM - ko1 (Koichi Sasada)
wanabe-san,

Should we keep it open or not?

#6 - 06/11/2011 02:59 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

This issue has gone away.