

Ruby - Bug #13656

Method#super_method returns incorrect result dependent on unrelated module

06/13/2017 04:40 PM - ccutrer (Cody Cutrer)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-darwin16]	Backport: 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

Description

```
module Calculations
  def pluck
    puts "calculations"
  end
end

module Calculations2
  def pluck
    puts "calculations2"
    super
  end
end

class Relation
  include Calculations
end

Relation.prepend(Calculations2)

class CollectionProxy < Relation
  def pluck
    puts "collection_proxy"
    super
  end
end

module CollectionProxy2
  def unrelated
  end
end

# this is the critical line
CollectionProxy.prepend(CollectionProxy2)

ConcreteProxy = Class.new(CollectionProxy)

# these are the expected results
ConcreteProxy.new.method(:pluck).owner == CollectionProxy
ConcreteProxy.new.method(:pluck).super_method.owner == Calculations2
ConcreteProxy.new.method(:pluck).super_method.super_method.owner == Calculations
```

The critical line is the CollectionProxy2 module. If I don't prepend it into CollectionProxy (or if I include it instead of prepend it), the expected results pass. But when it *is* prepended, the owner for all super_methods will always be CollectionProxy, as if it can't find any more ancestors (if you actually call ConcreteProxy.new.pluck it does call the three methods, in the correct order). So this is an introspection only problem.

Associated revisions

Revision dbf67bf02db7afcca46b58e5b48fc7d805818e48 - 06/14/2017 06:03 AM - nobu (Nobuyoshi Nakada)

proc.c: skip prepended modules

- `proc.c (method_super_method)`: skip prepended modules and continue from the super class of the original class.
[ruby-core:81666] [Bug #13656]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59080 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision dbf67bf0 - 06/14/2017 06:03 AM - nobu (Nobuyoshi Nakada)

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Revision 452f46b751a93a97fe42febebe8e8d5241752475 - 06/14/2017 01:08 PM - nobu (Nobuyoshi Nakada)

`test/ruby/test_method.rb`: refined [ruby-core:81666] [Bug #13656]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59082 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 452f46b7 - 06/14/2017 01:08 PM - nobu (Nobuyoshi Nakada)

`test/ruby/test_method.rb`: refined [ruby-core:81666] [Bug #13656]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59082 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2459af86034b59136670cbfa14f369638232d55a - 06/30/2017 12:13 PM - U.Nakamura

merge revision(s) 59080,59082: [Backport #13656]

```
proc.c: skip prepended modules
```

```
* proc.c (method_super_method): skip prepended modules and
  continue from the super class of the original class.
  [ruby-core:81666] [Bug #13656]
test/ruby/test_method.rb: refined [ruby-core:81666] [Bug #13656]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@59231 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2459af86 - 06/30/2017 12:13 PM - U.Nakamura

merge revision(s) 59080,59082: [Backport #13656]

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* proc.c (method_super_method): skip prepended modules and
  continue from the super class of the original class.
  [ruby-core:81666] [Bug #13656]
test/ruby/test_method.rb: refined [ruby-core:81666] [Bug #13656]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@59231 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision c358595ae42e1b5ed4647dd017d91cf3aa480740 - 07/23/2017 07:02 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59080,59082: [Backport #13656]

```
proc.c: skip prepended modules
```

```
* proc.c (method_super_method): skip prepended modules and
  continue from the super class of the original class.
  [ruby-core:81666] [Bug #13656]
test/ruby/test_method.rb: refined [ruby-core:81666] [Bug #13656]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59395 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision c358595a - 07/23/2017 07:02 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 59080,59082: [Backport #13656]

```
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```

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* proc.c (method_super_method): skip prepended modules and
  continue from the super class of the original class.
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```
[ruby-core:81666] [Bug #13656]  
test/ruby/test_method.rb: refined [ruby-core:81666] [Bug #13656]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@59395 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 06/14/2017 06:01 AM - nobu (Nobuyoshi Nakada)

- Description updated
- Backport changed from 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN to 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED

#2 - 06/14/2017 06:04 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset trunk|r59080.

proc.c: skip prepended modules

- proc.c (method_super_method): skip prepended modules and continue from the super class of the original class.
[\[ruby-core:81666\]](#) [\[Bug #13656\]](#)

#3 - 06/30/2017 12:13 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.2: REQUIRED, 2.3: REQUIRED, 2.4: REQUIRED to 2.2: REQUIRED, 2.3: DONE, 2.4: REQUIRED

ruby_2_3 r59231 merged revision(s) 59080,59082.

#4 - 07/23/2017 07:02 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.2: REQUIRED, 2.3: DONE, 2.4: REQUIRED to 2.2: REQUIRED, 2.3: DONE, 2.4: DONE

ruby_2_4 r59395 merged revision(s) 59080,59082.