## Ruby master - Bug #12920
### Strange NoMethodError in Time.now

**11/10/2016 10:25 AM** - kyanagi (Kouhei Yanagita)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.4.0dev (2016-11-10 trunk 56692) [x86_64-darwin15]</td>
</tr>
<tr>
<td>Backport:</td>
<td>2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: DONE</td>
</tr>
</tbody>
</table>

### Description

I got a strange NoMethodError in Time.now.

```ruby
Integer.prepend(Module.new)
module Foo
  refine Integer do
    define_method(:+) { }
  end
end
Time.now
```

```bash
% ~/tmp/ruby-trunk/bin/ruby -v a.rb
ruby 2.4.0dev (2016-11-10 trunk 56692) [x86_64-darwin15]
a.rb:7:in `initialize': undefined method `+' for 1478773005000000000:Integer (NoMethodError)
  from a.rb:7:in `now'
  from a.rb:7:in `<main>'
```

### Related issues:

Related to Ruby master - Bug #12876: Calling new hangs Ruby when class prepen...

### Associated revisions

**Revision 9996945a - 11/10/2016 02:18 PM - nobu (Nobuyoshi Nakada)**

- vm_eval.c: fix refined method when prepended
  - [vm_eval.c (vm_call0_body): refined module should not be skipped as prepended. [ruby-core:78073] [Bug #12920]](https://ci.ruby-lang.org/ruby/trunk@56694 b2dd03c8-39d4-4d8f-98ff-823fe6b080e)

**Revision 56694 - 11/10/2016 02:18 PM - nobu (Nobuyoshi Nakada)**

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**Revision def18ca5 - 11/11/2016 12:08 AM - nobu (Nobuyoshi Nakada)**

- vm_eval.c: reorder

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04/04/2020
Revised 56698 - 11/11/2016 12:08 AM - nobu (Nobuyoshi Nakada)
vm_eval.c: reorder
- vm_eval.c (vm_call0_body): reorder the conditions. [ruby-core:78073] [Bug #12920]

Revised 56698 - 11/11/2016 12:08 AM - nobu (Nobuyoshi Nakada)
vm_eval.c: reorder
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Revised 56816 - 11/16/2016 02:41 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 56694,56698: [Backport #12920]
vm_eval.c: fix refined method when prepended
* vm_eval.c (vm_call0_body): refined module should not be skipped as prepended. [ruby-core:78073] [Bug #12920]

History
#1 - 11/10/2016 11:36 AM - akr (Akira Tanaka)
The problem is not reproduced with ruby-2.4.0-preview2. 
The problem is reproduced with ruby-2.4.0-preview3. 
It seems something changed between ruby-2.4.0-preview2 and ruby-2.4.0-preview3.

#2 - 11/10/2016 02:18 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Applied in changeset r56694.

Revised 56694 - 11/11/2016 11:36 AM - nobu (Nobuyoshi Nakada)
vm_eval.c: fix refined method when prepended
* vm_eval.c (vm_call0_body): refined module should not be skipped as prepended. [ruby-core:78073] [Bug #12920]

Revised 9b5c2baa - 11/16/2016 02:41 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 56694,56698: [Backport #12920]
vm_eval.c: fix refined method when prepended
* vm_eval.c (vm_call0_body): refined module should not be skipped as prepended. [ruby-core:78073] [Bug #12920]

#3 - 11/15/2016 01:41 PM - kyanagi (Kouhei Yanagita)
This problem happens with Ruby 2.3.2.
% cat a.rb
Fixnum.prepend(Module.new)
Module.new do
  refine Fixnum do
    define_method(:+) {}
  end
end

Time.now

% ruby -v a.rb
ruby 2.3.2p217 (2016-11-15 revision 56796) [x86_64-darwin16]
a.rb:8:in `initialize': undefined method `+' for 1479217045000000000:Fixnum (NoMethodError)
Did you mean? +@
  from a.rb:8:in `initialize'
  from a.rb:8:in `<main>'