

Ruby master - Bug #14350

Strange behavior for Array.min in ruby 2.5.0

01/10/2018 06:53 PM - artofhuman (Semyon Pupkov)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: 2.5.0	Backport: 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE
Description	
2.4.2	
<pre>[[1, 0.0].max, 1.0].min</pre>	
<pre>=> 1</pre>	
2.5.0	
<pre>[[1, 0.0].max, 1.0].min</pre>	
<pre>=> 1.0</pre>	
<pre>[[1, 0.0].max, 1.0]</pre>	
<pre>=> [1, 1.0]</pre>	
<pre>[1, 1.0].min</pre>	
<pre>=> 1</pre>	
I think it's regression for ruby 2.5.0	

Associated revisions

Revision 83ac2dfe - 01/11/2018 08:26 AM - nobu (Nobuyoshi Nakada)

vm_inshelper.c: search in the indexing order

- vm_inshelper.c (vm_opt_newarray_max, vm_opt_newarray_min): search in the indexing order, as well as usual methods. [ruby-core:84821] [Bug #14350]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@61766 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 61766 - 01/11/2018 08:26 AM - nobu (Nobuyoshi Nakada)

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Revision 61cb2958 - 08/05/2018 10:59 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 61766: [Backport #14350]

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vm_inshelper.c: search in the indexing order
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```
* vm_inshelper.c (vm_opt_newarray_max, vm_opt_newarray_min):  
  search in the indexing order, as well as usual methods.
```

[ruby-core:84821] [Bug #14350]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_5@64195 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 64195 - 08/05/2018 10:59 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 61766: [Backport #14350]

vm_inshelper.c: search in the indexing order

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* vm_inshelper.c (vm_opt_newarray_max, vm_opt_newarray_min):  
  search in the indexing order, as well as usual methods.  
[ruby-core:84821] [Bug #14350]
```

History

#1 - 01/10/2018 06:54 PM - artofhuman (Semyon Pupkov)

- *Description updated*

#2 - 01/11/2018 01:11 AM - shyouhei (Shyouhei Urabe)

I doubt if this behavioural change is a bug that should be fixed.

#3 - 01/11/2018 08:20 AM - nobu (Nobuyoshi Nakada)

1 is not greater than 1.0, and vice versa.
The both results are correct in this case.

But the previous behavior may be better in the case of Numeric-like objects.

#4 - 01/11/2018 08:26 AM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Closed*

Applied in changeset [trunk|r61766](#).

vm_inshelper.c: search in the indexing order

- vm_inshelper.c (vm_opt_newarray_max, vm_opt_newarray_min): search in the indexing order, as well as usual methods. [ruby-core:84821] [Bug [#14350](#)]

#5 - 04/27/2018 02:40 PM - cheba (Alexander Mankuta)

This change affects PrawnPDF gems (I'm a maintainer).

From the maths point of view it is indeed insignificant, but there are other areas where exact value matters. For example, in Prawn these values are serialized. Integer 1 is serialized to a 1-byte string "1" and Float 1.0 is serialized to 3-byte string "1.0". While in the context of PDF there's no difference between the values we don't want to change generated documents. PDF is hard to inspect for changes because it's essentially a binary format and a relatively complex one. Most our users rely on binary stability of output for caching purposes and we strive to make the output stable.

With this change we can not provide the stability between Ruby versions. We use it in our test suite among other things.

#6 - 04/28/2018 07:39 PM - nobu (Nobuyoshi Nakada)

- *Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED*

#7 - 08/05/2018 11:00 AM - nagachika (Tomoyuki Chikanaga)

- *Backport changed from 2.3: DONTNEED, 2.4: DONTNEED, 2.5: REQUIRED to 2.3: DONTNEED, 2.4: DONTNEED, 2.5: DONE*

ruby_2_5 r64195 merged revision(s) 61766.