Ruby master - Bug #18514
ruby 2.6.9's Date#jisx0301 does not support Reiwa
01/26/2022 01:45 AM - kouji (Kouji Takao)

<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>usa (Usaku NAKAMURA)</td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.6.9p207 (2021-11-24 revision 67954) [x86_64-darwin20]</td>
</tr>
<tr>
<td>Backport:</td>
<td>2.6: DONE, 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONTNEED</td>
</tr>
</tbody>
</table>

Description
In ruby 2.6.9 (ruby 2.6.9p207 (2021-11-24 revision 67954) [x86_64-darwin20]).
$ ruby -rdate -e 'p Date.new(2019, 5, 1).jisx0301'
=> "H31.05.01"

In ruby 2.6.6 and 2.7.5.
=> "R01.05.01"

ruby 2.6.9's Date#jisx0301 does not support Reiwa.
https://github.com/ruby/ruby/blob/8e26731f9ef529009928628ba4b79fd2454e8e2d/ext/date/date_core.c#L7193

However, ruby 2.6.8's supports Reiwa.
https://github.com/ruby/ruby/blob/768423edc2634574d66f14f3c2d3602326bfb464/ext/date/date_core.c#L7046

diff
--- 2.6.8.c 2022-01-26 10:42:49.000000000 +0900
+++ 2.6.9.c 2022-01-26 10:43:57.000000000 +0900
@@ -19,14 +19,10 @@
 c = 'S';
 s = 1925;
 } else if (d < 2458605) {
-+ else {
 c = 'H';
 s = 1988;
 } else {
- c = 'R';
- s = 2018;
- } snprintf(fmt, size, "%c\%2ld" ".\%m.\%d", c, FIX2INT(y) - s);
+ return fmt;

So, I think it's a degradation.

Associated revisions
Revision fa7f75dd - 04/12/2022 11:03 AM - usa (Usaku NAKAMURA)
Backport date-2.0.3 for Reiwa Support [Backport #18514]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@67956 b2dd03c8-39d4-4d8f-98f8-823fe69b080e

Revision 67956 - 04/12/2022 11:03 AM - usa (Usaku NAKAMURA)
Backport date-2.0.3 for Reiwa Support [Backport #18514]

History
#1 - 01/26/2022 02:11 AM - usa (Usaku NAKAMURA)
- Status changed from Open to Closed
- Backport changed from 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN to 2.6: REQUIRED, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN

#2 - 01/26/2022 02:21 AM - hsbt (Hiroshi SHIBATA)
- Assignee set to hsbt (Hiroshi SHIBATA)

#3 - 01/26/2022 03:07 AM - hsbt (Hiroshi SHIBATA)
I prepared to fix this regression.

https://github.com/ruby/date/pull/47

I will release date-2.0.3 for Ruby 2.6 in a few days.

#4 - 01/27/2022 04:51 AM - hsbt (Hiroshi SHIBATA)
I released date-2.0.3 with Reiwa support.

@kouji (Kouji Takao) Can you confirm with date-2.0.3 ?

After that, I will create backport patch for Ruby 2.6.10.

#5 - 01/29/2022 06:08 AM - kouji (Kouji Takao)

Can you confirm with date-2.0.3 ?

Thank you so much.
I tried it, then I get good result!

#6 - 01/31/2022 12:33 AM - hsbt (Hiroshi SHIBATA)

https://github.com/ruby/ruby/pull/5497.diff

#7 - 01/31/2022 12:34 AM - hsbt (Hiroshi SHIBATA)
- Assignee changed from hsbt (Hiroshi SHIBATA) to usa (Usaku NAKAMURA)
- Backport changed from 2.6: REQUIRED, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN to 2.6: REQUIRED, 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONTNEED

#8 - 04/12/2022 11:03 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.6: REQUIRED, 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONTNEED to 2.6: DONE, 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONTNEED