

Ruby master - Bug #9728

Regexp bug

04/11/2014 06:41 AM - sawa (Tsuyoshi Sawada)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: Ruby 2.0	Backport: 2.0.0: DONE, 2.1: DONE
Description	
As reported in StackOverflow (http://stackoverflow.com/questions/23004527) (with a wrong expectation), the following regex pattern with the * operator does not match.	
<pre>"ab" =~ /(?!^a).*b/ # => nil</pre>	
When ? is used instead, it seems to match correctly:	
<pre>"ab" =~ /(?!^a)?.b/ # => 1</pre>	
According to the original reporter of the linked site, this does not happen in Ruby 1.9.3.	

Associated revisions

Revision 4855b79e - 10/15/2014 03:05 PM - nagachika (Tomoyuki Chikanaga)

merge r47598 partially. extracted commits are as follows. [Bug #9728]

<https://github.com/k-takata/Onigmo/commit/15ddec6d18e27fdc1988236764e766fd5892ecf5>

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@47954 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 47954 - 10/15/2014 03:05 PM - nagachika (Tomoyuki Chikanaga)

merge r47598 partially. extracted commits are as follows. [Bug #9728]

<https://github.com/k-takata/Onigmo/commit/15ddec6d18e27fdc1988236764e766fd5892ecf5>

Revision 7e344b0b - 10/16/2014 07:35 AM - usa (Usaku NAKAMURA)

- regcomp.c, regexec.c: Optimization should be disabled not only for `/(?<=x)/` but also for `/(?!x)/`. (merge r47598 partially. [Bug #9728])

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@47976 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 47976 - 10/16/2014 07:35 AM - usa (Usaku NAKAMURA)

- regcomp.c, regexec.c: Optimization should be disabled not only for `/(?<=x)/` but also for `/(?!x)/`. (merge r47598 partially. [Bug #9728])

History

#1 - 04/11/2014 10:21 AM - phasis68 (Heesob Park)

I found this issue is related with the ONIG_DONT_OPTIMIZE macro.

If I insert `"#define ONIG_DONT_OPTIMIZE"` in `regint.h`, the regexp works like Ruby 1.9.3.

before define:

```
C:\work\ruby-2.2.0-r45349>miniruby -ve 'p "ab" =~ /(?!^a).*b/;'
ruby 2.2.0dev (2014-03-16 trunk 45349) [x64-mswin64_120]
nil
```

after define:

```
C:\work\ruby-2.2.0-r45349>miniruby -ve 'p "ab" =~ /(?!^a).*b/;'
ruby 2.2.0dev (2014-03-16 trunk 45349) [x64-mswin64_120]
1
```

#2 - 09/11/2014 01:34 PM - k_takata (Ken Takata)

This bug is fixed with the following Onigmo's commit:

<https://github.com/k-takata/Onigmo/commit/15ddec6d18e27fdc1988236764e766fd5892ecf5>

This fix is included in Onigmo 5.15.0.

#3 - 09/23/2014 04:51 AM - k_takata (Ken Takata)

- *Status changed from Open to Closed*

Fixed with r47598.

#4 - 09/24/2014 03:30 PM - usa (Usaku NAKAMURA)

- *Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN to 2.0.0: REQUIRED, 2.1: REQUIRED*

#5 - 10/15/2014 03:07 PM - nagachika (Tomoyuki Chikanaga)

- *Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED to 2.0.0: REQUIRED, 2.1: DONE*

partially backport r47598 into ruby_2_1 branch at r47954.

#6 - 10/16/2014 07:36 AM - usa (Usaku NAKAMURA)

- *Backport changed from 2.0.0: REQUIRED, 2.1: DONE to 2.0.0: DONE, 2.1: DONE*

Backported into ruby_2_0_0 at r47976.