String#scanf("%a") incorrectly requires a sign on the (binary) exponent

08/21/2017 05:50 PM - cabo (Carsten Bormann)

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

Description
>> Float("0x1p9")
=> 512.0
>> Float("0x1p+9")
=> 512.0
>> "0x1p+9".scanf("%a")
=> [512.0]
>> "0x1p9".scanf("%a")
=> [0.0] # Oops
>> RUBY_VERSION
=> "2.4.1"

In scanf.rb, there are three regexps that say the equivalent of [pP][+-] where they should say [pP][+-]?

Associated revisions

Revision 4bf6a04f - 10/21/2017 12:34 PM - nobu (Nobuyoshi Nakada)
Fix bug about String#scanf("%a")

lib/scanf.rb (extract_float, initialize): allow to omit a sign on the binary exponent. [ruby-core:82435] [Bug #13833] [Fix GH-1689]

From: tarotaro0 tarousann11922960@yahoo.co.jp
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@60261 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 60261 - 10/21/2017 12:34 PM - nobu (Nobuyoshi Nakada)
Fix bug about String#scanf("%a")

lib/scanf.rb (extract_float, initialize): allow to omit a sign on the binary exponent. [ruby-core:82435] [Bug #13833] [Fix GH-1689]

From: tarotaro0 tarousann11922960@yahoo.co.jp

Revision 60261 - 10/21/2017 12:34 PM - nobu (Nobuyoshi Nakada)
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From: tarotaro0 tarousann11922960@yahoo.co.jp
Hi, cabo.

I implemented to fix this bug and created PR:

https://github.com/ruby/ruby/pull/1689

Could you please check this?

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