

Ruby - Bug #10086

[PATCH] Remove exponents calculation from mathn.rb

07/23/2014 11:57 AM - gogotanaka (Kazuki Tanaka)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	2.1.1p76	Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN
Description		
#English		
When we override <code>::*</code> , we make it alias as <code>:power!</code> (mathn.rb:L73, L102)		
Like this.		
<pre>alias power! ** unless method_defined? :power!</pre>		
If user have define <code>:power!</code> , this <code>:power!</code> is called unintentionally.(mathn.rb:L82, L111)		
<pre>def ** (other) if self < 0 && other.round != other Complex(self, 0.0) ** other else power! (other) end end</pre>		
Now that we can do such a exponents calculation without mathn, we don't need exetend <code>::*</code> in mathn.		
That's why I remove <code>::*</code> from mathn.rb		
#		
mathn.rb <code>::*</code> <code>alias power! alias</code> (mathn.rb:L73, L102)		
<pre>alias power! ** unless method_defined? :power!</pre>		
<code>power! #power!</code>		
(mathn.rb:L82, L111)		
<pre>def ** (other) if self < 0 && other.round != other Complex(self, 0.0) ** other else power! (other) end end</pre>		
<code>power! power!</code>		
<code>mathn</code>		
<code>::*</code> <code>mathn</code> .		
Related issues:		
Related to Ruby - Feature #13334: Removed deprecated mathn extentions.		Closed

Associated revisions

Revision 63683cb46dc3553e8cb25311f3306aa271bcc92e - 08/26/2014 12:07 PM - nobu (Nobuyoshi Nakada)

lib/mathn.rb: remove built-in methods

- lib/mathn.rb (Fixnum#, **Bignum#**, Float#, **Rational#**):
remove as these are now built-in. [ruby-core:63973] [Bug #10086]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@47290 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 63683cb4 - 08/26/2014 12:07 PM - nobu (Nobuyoshi Nakada)

lib/mathn.rb: remove built-in methods

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@47290 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 07/23/2014 12:00 PM - gogotanaka (Kazuki Tanaka)

- File Remove_Fixnum#power_from_mathn.patch added
- File Remove_Bignum#power_from_mathn.patch added
- File Remove_Float#power_from_mathn.patch added
- File Remove_Rational#power_from_mathn.patch added
- File Fix_comment_at_mathn.patch added

There are my PATCHES.

PATCH

#2 - 07/31/2014 02:09 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback

** (alias / quo)
"multiple division" "multiple"

#3 - 07/31/2014 06:56 PM - gogotanaka (Kazuki Tanaka)

@Nobuyoshi Nakada

.

alias / quo

alias operator symbol

.

.

"multiple division" "multiple"

. .

multiple division

gogo.

#4 - 08/01/2014 02:09 AM - mame (Yusuke Endoh)

If you need
more precise rounding with multiple division or exponentiation
operations, then mathn is the right tool.

rdoc

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Yusuke Endoh mame@ruby-lang.org

- File *improve_rdoc_mathn_l8.patch* added
- File *improve_rdoc_mathn_l20.patch* added

11/11/2019

gogo.

- Status changed from Feedback to Closed
- % Done changed from 0 to 100

Applied in changeset r47290.

- `lib/mathn.rb` (`Fixnum#`, **`Bignum#`**, `Float#`, **`Rational#`**):
remove as these are now built-in. [\[ruby-core:63973\]](#) [Bug [#10086](#)]

- Related to Feature #13334: Removed deprecated mathn extentions. added

Remove_Fixnum#power_from_mathn.patch	810 Bytes	07/23/2014	gogotanaka (Kazuki Tanaka)
Remove_Bignum#power_from_mathn.patch	811 Bytes	07/23/2014	gogotanaka (Kazuki Tanaka)
Remove_Float#power_from_mathn.patch	496 Bytes	07/23/2014	gogotanaka (Kazuki Tanaka)
Remove_Rational#power_from_mathn.patch	2.08 KB	07/23/2014	gogotanaka (Kazuki Tanaka)
Fix_comment_at_mathn.patch	430 Bytes	07/23/2014	gogotanaka (Kazuki Tanaka)
improve_rdoc_mathn_l8.patch	478 Bytes	08/01/2014	gogotanaka (Kazuki Tanaka)
improve_rdoc_mathn_l20.patch	301 Bytes	08/01/2014	gogotanaka (Kazuki Tanaka)