

Ruby - Bug #12485

Kernel.Rational raises TypeError though given denominator returns 1 by to_int

06/13/2016 02:39 PM - mrkn (Kenta Murata)

Status:	Closed	Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Priority:	Normal	
Assignee:	mrkn (Kenta Murata)	
Target version:		
ruby -v:	ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-darwin15]	
Description		
Is it an intentional behavior?		
<pre>class << (o = Object.new) def to_int 1 end end</pre>		
<pre>Rational(1, o) #=> TypeError: not an integer</pre>		

Associated revisions

Revision d23d5c3130a0944e7e591370cbf8599009318a7c - 10/22/2020 08:59 AM - Kenta Murata

rational.c: try converting by to_int in Rational() (#3684)

[Bug #12485]

Revision d23d5c3130a0944e7e591370cbf8599009318a7c - 10/22/2020 08:59 AM - Kenta Murata

rational.c: try converting by to_int in Rational() (#3684)

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Revision d23d5c31 - 10/22/2020 08:59 AM - Kenta Murata

rational.c: try converting by to_int in Rational() (#3684)

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History

#1 - 06/13/2016 02:53 PM - mrkn (Kenta Murata)

- File rational.c.diff added

Attached patch can fix this issue.

#2 - 06/13/2016 02:58 PM - nobu (Nobuyoshi Nakada)

You can use RB_INTEGER_TYPE_P in the trunk.

#3 - 06/13/2016 03:43 PM - mrkn (Kenta Murata)

Nobuyoshi Nakada wrote:

You can use RB_INTEGER_TYPE_P in the trunk.

I forgot it. Thanks.

#4 - 07/25/2019 03:29 PM - jeremyevans0 (Jeremy Evans)

- File rational-denom-to_int.patch added

I'm not sure if this is considered a bug or not. Rational will already try to convert numerator and denominator via to_r. However, if we do want to

convert via to_int if to_r is not defined, the attached patch should implement it.

#5 - 10/22/2020 06:12 AM - mrkn (Kenta Murata)

- Status changed from Open to Assigned
- Assignee set to mrkn (Kenta Murata)

I'm working on this at <https://github.com/ruby/ruby/pull/3684>

#6 - 10/22/2020 09:00 AM - Anonymous

- Status changed from Assigned to Closed

Applied in changeset [gitId23d5c3130a0944e7e591370cbf8599009318a7c](#).

rational.c: try converting by to_int in Rational() (#3684)

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Files

rational.c.diff	539 Bytes	06/13/2016	mrkn (Kenta Murata)
rational-denom-to_int.patch	1.73 KB	07/25/2019	jeremyevans0 (Jeremy Evans)