

Ruby - Bug #1554

Enumerator#first & #take should consume only what is needed [patch]

06/02/2009 05:38 AM - marcandre (Marc-Andre Lafortune)

<div>Status:Closed</div> <div>Priority:Normal</div> <div>Assignee:</div> <div>Target version:1.9.2</div> <div>ruby -v:ruby 1.9.2dev (2009-06-01 trunk 23616) [i386-darwin9.7.0]</div>	<div>Backport:</div>
<div>Description</div> <div>=begin</div> <div>Currently, in Ruby 1.9.x:</div> <div><pre>require 'stringio' s = StringIO.new("first \n second \n third") s.rewind p s.take(1), s.take(1)</pre></div> <div>Prints "[first \n]" and "[second \n]"</div> <div><pre>s.rewind p [s.first], [s.first]</pre></div> <div>Prints "[first \n]" and "[second \n]"</div> <div><pre>s.rewind p s.first(1), s.first(1)</pre></div> <div>Prints "[first \n]" and "[third]"</div> <div>I believe most people would expect that [s.first], s.first(1) and s.take(1) should be the same and have the same side effects, if any. It is also more efficient that :each yields just the right number of times necessary to complete the request. As such it would be preferable if the last printout was the same as the previous two.</div> <div>Note that in Ruby 1.8.7, the output for Enumerable#take is also wrong.</div> <div>The included patches fix this issue for both versions.</div> <div>I took the opportunity to change #first so that it calls :to_int on its argument only once if it needs to be converted. Before the patch it is called twice. This brings it in line with Array#first and Enumerable#take.</div> <div>Note: rubyspecs have been updated.</div> <div>=end</div>	

History

#1 - 06/03/2009 09:07 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin
Applied in changeset r23622.
=end

Files

enum_first_19.patch	709 Bytes	06/02/2009	marcandre (Marc-Andre Lafortune)
---------------------	-----------	------------	----------------------------------

