

Ruby master - Feature #2832

Vector#each and Enumerable

03/02/2010 06:04 PM - marcandre (Marc-Andre Lafortune)

Status:	Closed
Priority:	Normal
Assignee:	marcandre (Marc-Andre Lafortune)
Target version:	2.6
Description =begin Vector should implement #each and include Enumerable, since it is so Array-like. Enumerable methods that return an array should probably be specialized to return a Vector (e.g. map, first, ...) See also [ruby-core:28403], [redmine:2831] =end	

History

#1 - 03/03/2010 04:27 PM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin

This issue was solved with changeset r26801.

Marc-Andre, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

=end

#2 - 03/09/2010 01:29 PM - marcandre (Marc-Andre Lafortune)

- Status changed from Closed to Open

=begin

Thanks Matz.

Vector#map/collect should return Vector, no?

I'm fine with the others methods, like #drop(_while), #find(_all), #first, returning arrays though.

=end

#3 - 03/09/2010 02:20 PM - matz (Yukihiro Matsumoto)

=begin

Hi,

In message "Re: [ruby-core:28571] [Feature #2832](#) Vector#each and Enumerable"

on Tue, 9 Mar 2010 13:29:03 +0900, Marc-Andre Lafortune redmine@ruby-lang.org writes:

|Vector#map/collect should return Vector, no?

I don't think so. It returns a collection of values given from the block. Array is a representation of collection. Matrix#collect now returns Matrix, but I consider it caused by misunderstanding.

matz.

=end

#4 - 03/31/2010 06:42 AM - marcandre (Marc-Andre Lafortune)

- Assignee changed from keiju (Keiju Ishitsuka) to marcandre (Marc-Andre Lafortune)

=begin

=end

#5 - 03/31/2010 12:13 PM - marcandre (Marc-Andre Lafortune)

=begin

I'm probably crazy, and I must be the only one wishing this, but I wish that #collect was used to collect elements (and always returned an array), while #map was used to map an object by applying a functor to its element (and returned the original class when possible, like Set, Matrix, ...)

=end

#6 - 03/31/2010 09:28 PM - Eregon (Benoit Daloze)

=begin

I'm probably crazy, and I must be the only one wishing this, but I wish that #collect was used to collect elements (and always returned an array), while #map was used to map an object by applying a functor to its element (and returned the original class when possible, like Set, Matrix, ...)

I think Vector#to_a#map is better than Vector#collect, since it's far more explicit for that purpose

I agree with the fact methods like map should return their own kind of Enumerable (for example sorting a Hash result in ... an Array)

=end

#7 - 04/04/2010 12:40 PM - znz (Kazuhiro NISHIYAMA)

- Target version changed from 1.9.2 to 2.0.0

=begin

=end

#8 - 09/14/2010 04:04 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

=begin

=end

#9 - 10/27/2012 05:33 AM - ko1 (Koichi Sasada)

- Description updated

ping. status?

#10 - 11/24/2012 09:36 AM - mame (Yusuke Endoh)

- Target version changed from 2.0.0 to 2.6

Marc-Andre, what do we have to do about this ticket?
I'm setting to next minor. Let me know if there is any task for 2.0.0.

--

Yusuke Endoh mame@tsg.ne.jp

#11 - 11/24/2012 12:06 PM - marcandre (Marc-Andre Lafortune)

- Status changed from Assigned to Closed

Right, let's close this.

I still think that Vector#map & select be covariant, and I'll change them if ever there's a request to second that.