

[PATCH 1/1] new method Enumerable#rude_map

Status:	Rejected
Priority:	Normal
Assignee:	matz (Yukihiro Matsumoto)
Target version:	2.0.0

From e6dd7bd9b5769bae5d81416da7a2b4003a43ba06 Mon Sep 17 00:00:00 2001
Message-Id: e6dd7bd9b5769bae5d81416da7a2b4003a43ba06.1304863013.git.shyouhei@ruby-lang.org
From: URABE, Shyouhei shyouhei@ruby-lang.org
Date: Sun, 8 May 2011 22:51:28 +0900
Subject: [PATCH 1/1] new method Enumerable#rude map

Signed-off-by: URABE, Shyouhei shyouhei@ruby-lang.org

06/05/2025

- call-seq:
- `enum.rude_map { | obj | block } -> enumerator`
- `enum.rude_map -> enumerator`
- Identical to `Enumerable#map`, except that it returns an enumerator
- rather than an array.
- Without a block it is just another `Object#to_enum`.

• */

```
+static VALUE
+enum_rude_map(VALUE obj)
+{
```

- VALUE ret;
- RETURN_ENUMERATOR(obj, 0, 0);
- ret = rb_obj_alloc(rb_cEnumerator);
- rb_block_call(ret, rb_intern("initialize"), 0, 0, rude_map_i, obj);
- return ret;
- +}

```
/*
```

- call-seq:

- 

```
@@ -2679,6 +2714,7 @@ Init_Enumerable(void)
rb_define_method(rb_mEnumerable, "collect", enum_collect, 0);
rb_define_method(rb_mEnumerable, "map", enum_collect, 0);
rb_define_method(rb_mEnumerable, "flat_map", enum_flat_map, 0);
```

- rb_define_method(rb_mEnumerable, "rude_map", enum_rude_map, 0);
- rb_define_method(rb_mEnumerable, "collect_concat", enum_flat_map, 0);
- rb_define_method(rb_mEnumerable, "inject", enum_inject, -1);
- rb_define_method(rb_mEnumerable, "reduce", enum_inject, -1);

```
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1.7.0.4
```

Related issues:

Related to Ruby - Feature #708: Lazy Enumerator#select, Enumerator#map etc.

Rejected

Related to Ruby - Feature #4890: Enumerable#lazy

Closed

06/16/2011

History

#1 - 05/08/2011 11:01 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

#2 - 05/08/2011 11:23 PM - mame (Yusuke Endoh)

□□□□□

2011□5□8□23:01 Shyouhei Urabe shyouhei@ruby-lang.org:

```
mapEnumerator.map
Enumerator.map
```

Enumerator.map

```
big_ary.map {|x| ... }.max
```

```
map select take conversion
```

```
lazy delay
rude 5
```

```
-er (-or) (mapper)
http://d.hatena.ne.jp/ku-ma-me/20091111/p2
```

```
_lz
https://github.com/antimon2/enumerable_lz/tree/master/lib/enumerable_lz
```

```
map
map
```

2.0

```
--
Yusuke Endoh mame@tsg.ne.jp
```

#3 - 05/08/2011 11:23 PM - mame (Yusuke Endoh)

map

2011050823:01 Shyouhei Urabe shyouhei@ruby-lang.org:

```
mapEnumerator.map
map
```

Enumerator.map

```
big_ary.map {|x| ... }.max
```

```
map select take conversion
```

```
lazy delay
rude 5
```

```
-er (-or) (mapper)
http://d.hatena.ne.jp/ku-ma-me/20091111/p2
```

```
_lz
https://github.com/antimon2/enumerable_lz/tree/master/lib/enumerable_lz
```

```
map
map
```

2.0

```
--
Yusuke Endoh mame@tsg.ne.jp
```

#4 - 05/09/2011 12:23 AM - shyouhei (Shyouhei Urabe)

(05/08/2011 11:21 PM), Yusuke ENDOH wrote:

map

2011050823:01 Shyouhei Urabe shyouhei@ruby-lang.org:

```
mapEnumerator.map
```



~~~~~  
~~~~~  
~~~~~

~~~~~  
~~~~~selector namespace~~~~~  
~~~~~

~~~~~map~~~~~  
~~~~~

2.0 ~~~~~

mathn~~~~~require~~~~~
~~~~~selector namespace~~~~~  
~~~~~

~~~~~map~~~~~  
~~~~~(+~~~~~)~~~~~

#6 - 05/09/2011 01:23 AM - mame (Yusuke Endoh)
~~~~~

2011050900:07 Urabe Shyouhei [shyouhei@ruby-lang.org](mailto:shyouhei@ruby-lang.org):

~~~~~  
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~~~~~

~~~~~ 1 ~~~~~  
~~~~~

~~~~~map~~~~~  
~~~~~

2.0 ~~~~~

mathn~~~~~require~~~~~  
~~~~~selector namespace~~~~~  
~~~~~

2.0 ~ selector namespace (~~~~~ refinement) ~~~~~  
~~~~~  
~~~~~Enumerator ~ #[] ~~~~~ Array ~  
~~~~~

~~~~~ 1.9 ~~~~~  
-er ~~~~~ L ~~~~~mapL ~ selectL ~~~~~  
2.0 ~~~~~ rude\_ ~~~~~

--  
Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

#7 - 05/09/2011 01:23 AM - mame (Yusuke Endoh)  
~~~~~

2011050900:07 Urabe Shyouhei shyouhei@ruby-lang.org:

~~~~~  
~~~~~

~~~~~  
~~~~~

~~~~~  
~~~~~

~~~~~ 1 ~~~~~  
~~~~~

~~~~~map~~~~~  
~~~~~

2.0 ~~~~~

mathn~~~~~require~~~~~
~~~~~selector namespace~~~~~  
~~~~~

2.0 ~ selector namespace (~~~~~ refinement) ~~~~~
~~~~~  
~~~~~Enumerator ~ #[] ~~~~~ Array ~  
~~~~~

~~~~~ 1.9 ~~~~~  
-er ~~~~~ L ~~~~~mapL ~ selectL ~~~~~
2.0 ~~~~~ rude_ ~~~~~

--
Yusuke Endoh mame@tsg.ne.jp

#8 - 05/09/2011 05:23 PM - shyouhei (Shyouhei Urabe)
~~~~~

(05/09/2011 12:35 AM), Yusuke ENDOH wrote:

~~~~~map~~~~~  
~~~~~

2.0 ~~~~~

mathn~~~~~require~~~~~  
~~~~~selector namespace~~~~~  
~~~~~

2.0 ~ selector namespace (~~~~~ refinement) ~~~~~  
~~~~~  
~~~~~Enumerator ~ #[] ~~~~~ Array ~  
~~~~~

~~~~~ 1.9 ~~~~~  
-er ~~~~~ L ~~~~~mapL ~ selectL ~~~~~  
2.0 ~~~~~ rude\_ ~~~~~

~~~~~(~~~~~...)  
~~~~~mapper~~~~~  
~~~~~

~~~~~flat\_map~~~~~\_map~~~~~  
~~~~~lazy\_map~~~~~

#9 - 05/09/2011 05:23 PM - shyouhei (Shyouhei Urabe)
~~~~~

(05/09/2011 12:35 AM), Yusuke ENDOH wrote:

```
map

```

2.0

```
mathn
require
selector namespace

```

2.0 selector namespace (refinement) Enumerator #[] Array

1.9 L mapL selectL  
2.0 rude\_

mapper

flat\_map \_map lazy\_map

#10 - 05/10/2011 02:23 PM - shyuhei (Shyouhei Urabe)

(05/09/2011 05:21 PM), Akinori MUSHU wrote:

At Mon, 9 May 2011 16:35:31 +0900,  
Urabe Shyouhei wrote:

```
flat_map _map
lazy_map

```

```
map_enum

```

rude lazy

#11 - 05/10/2011 02:23 PM - shyuhei (Shyouhei Urabe)

(05/09/2011 05:21 PM), Akinori MUSHU wrote:

At Mon, 9 May 2011 16:35:31 +0900,  
Urabe Shyouhei wrote:

```
flat_map _map
lazy_map

```

```
map_enum

```

rude lazy

#12 - 05/10/2011 11:09 PM - sorah (Sorah Fukumori)

convension

Enumerator#defer

```
[1,2,3].map.defer{|x| x*2 }.each_with_index.map.defer do |x,i|
  "#{x}: #{i}"
end
```

```
end.each {|x| puts x }
```

```
#####
```

URL: <https://gist.github.com/964510>

### #13 - 05/11/2011 09:23 AM - mame (Yusuke Endoh)

```
#####
```

2011/5/10 23:09 Shota Fukumori [sorah@tubusu.net](mailto:sorah@tubusu.net):

```
#####conversion#####
```

```
Enumerator#defer#####
```

```
##### conversion #####
```

```
$ ./ruby -e 'p [1, 2, 3].select {|x| x.even? }'  
[2]
```

```
$ ./ruby -e 'p [1, 2, 3].select.defer {|x| x.even? }.to_a'  
[false, true, false]
```

```
#####map  select  Array #####  
rb_ary_push #####  
##### mapL  selectL #####  
#####
```

```
Enumerator  Array  to_a #####  
Array  Enumerator #####  
#####
```

--

Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

### #14 - 05/11/2011 09:23 AM - mame (Yusuke Endoh)

```
#####
```

2011/5/10 23:09 Shota Fukumori [sorah@tubusu.net](mailto:sorah@tubusu.net):

```
#####conversion#####
```

```
Enumerator#defer#####
```

```
##### conversion #####
```

```
$ ./ruby -e 'p [1, 2, 3].select {|x| x.even? }'  
[2]
```

```
$ ./ruby -e 'p [1, 2, 3].select.defer {|x| x.even? }.to_a'  
[false, true, false]
```

```
#####map  select  Array #####  
rb_ary_push #####  
##### mapL  selectL #####  
#####
```

```
Enumerator  Array  to_a #####  
Array  Enumerator #####  
#####
```

--

Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

### #15 - 05/11/2011 09:29 AM - sorah (Sorah Fukumori)

2011/5/11 Yusuke ENDOH [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp):

```
#####map  select  Array #####  
rb_ary_push #####  
##### mapL  selectL #####
```

~~~~~  
~~~~~... 100%

~~~~~ **defer.map{|x|...}** ~~~ **to\_lazy.map{|x|...}** ~~~~~

~~~~~

--  
Shota Fukumori a.k.a. @sora\_h - <http://codnote.net/>

**#16 - 05/11/2011 09:29 AM - sorah (Sorah Fukumori)**

2011/5/11 Yusuke ENDOH [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp):

~~~~~map ~~~ select ~~~ Array ~~~~~  
rb_ary_push ~~~~~
~~~~~mapL ~~~selectL ~~~~~  
~~~~~  
~~~~~... 100%

~~~~~ **defer.map{|x|...}** ~~~ **to\_lazy.map{|x|...}** ~~~~~

~~~~~

--  
Shota Fukumori a.k.a. @sora\_h - <http://codnote.net/>

**#17 - 05/13/2011 04:23 AM - shyuhei (Shyouhei Urabe)**

(05/10/2011 11:09 PM), Shota Fukumori wrote:

~~~~~conversion~~~~~

~~~~~map~~~~~  
~~~~~

~~~~~lazy\_map~~~~map\_enum~~~~~  
~~~~~lazy\_enum~~~~~

#18 - 05/13/2011 04:23 AM - shyuhei (Shyouhei Urabe)

(05/10/2011 11:09 PM), Shota Fukumori wrote:

~~~~~conversion~~~~~

~~~~~map~~~~~  
~~~~~

~~~~~lazy\_map~~~~map\_enum~~~~~  
~~~~~lazy\_enum~~~~~

**#19 - 05/13/2011 05:23 AM - mame (Yusuke Endoh)**

~~~~~

2011~5~13~3:44 Urabe Shyouhei shyouhei@ruby-lang.org:

~~~~~lazy\_map~~~~map\_enum~~~~~  
~~~~~lazy\_enum~~~~~

lazy_enum ~~~ lazy_map ~~~ typoe ~~~~~
~~~~~ lazy\_map ~~~~~

~~~~~

<http://d.hatena.ne.jp/ku-ma-me/20091111/p2#c1258760977>

~~~~~matz ~~~ enum\_map ~~~~~  
~~~~~-ing ~~~~~

00000

mapper >= mapping >> mapL >= map_lz >> lazy_map > enum_map > map_enum

000mapE 0map_e 000000000

--

Yusuke Endoh mame@tsg.ne.jp

#20 - 05/13/2011 05:23 AM - mame (Yusuke Endoh)

00000

2011051303:44 Urabe Shyouhei shyouhei@ruby-lang.org:

000000000000lazy_map00map_enum000000000000000000
000lazy_enum0000000000000

lazy_enum 0 lazy_map 0 typ0 00000
000000000000000000000000 lazy_map 000000

00000

<http://d.hatena.ne.jp/ku-ma-me/20091111/p2#c1258760977>

00 matz 0 enum_map 0000000000
0000000000 -ing 00000000000000
00000

mapper >= mapping >> mapL >= map_lz >> lazy_map > enum_map > map_enum

000mapE 0map_e 000000000

--

Yusuke Endoh mame@tsg.ne.jp

#21 - 07/10/2011 03:38 PM - naruse (Yui NARUSE)

- Target version changed from 1.9.3 to 2.0.0

#22 - 02/13/2012 08:13 PM - mame (Yusuke Endoh)

- Status changed from Assigned to Rejected

0000000 #4890 0000000000000 (#708) 0
2/8 0 Enumerable::Lazy 0000

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Yusuke Endoh mame@tsg.ne.jp