

## Ruby trunk - Feature #5133

### Array#unzip as an alias of Array#transpose

08/01/2011 06:30 PM - mrkn (Kenta Murata)

<b>Status:</b>	Assigned
<b>Priority:</b>	Normal
<b>Assignee:</b>	mrkn (Kenta Murata)
<b>Target version:</b>	
<b>Description</b>	
Array#zip と Array#transpose の違い	
Haskell の zip と unzip の違い	
(transpose の違い) の違い	
Array#unzip と Array#transpose の違い	
:	
diff --git a/array.c b/array.c index 8caad66..dc411b7 100644 --- a/array.c +++ b/array.c @@ -4720,6 +4720,7 @@ Init_Array(void) rb_define_method(rb_cArray, "reject!", rb_ary_reject_bang, 0); rb_define_method(rb_cArray, "zip", rb_ary_zip, -1); rb_define_method(rb_cArray, "transpose", rb_ary_transpose, 0);  • rb_define_alias(rb_cArray, "unzip", "transpose"); rb_define_method(rb_cArray, "replace", rb_ary_replace, 1); rb_define_method(rb_cArray, "clear", rb_ary_clear, 0); rb_define_method(rb_cArray, "fill", rb_ary_fill, -1);	

### History

#### #1 - 08/01/2011 07:09 PM - znz (Kazuhiro NISHIYAMA)

?

Array#zip と Array#transpose の違い

#### #2 - 08/01/2011 08:59 PM - metanest (Makoto Kishimoto)

:

```
[1, 2, 3, 4].zip ["a", "b", "c", "d"]  
=> [1, "a"], [2, "b"], [3, "c"], [4, "d"]
```

```
irb> [1, 2, 3, 4].zip ["a", "b", "c", "d"]  
=> [1, "a"], [2, "b"], [3, "c"], [4, "d"]
```

```
1, "a"], [2, "b"], [3, "c"], [4, "d"] transpose  
1, 2, 3, 4], ["a", "b", "c", "d"]
```

```
irb> 1, "a"], [2, "b"], [3, "c"], [4, "d"].transpose  
=> 1, 2, 3, 4], ["a", "b", "c", "d"]
```

:

```
transpose と zip の違い  
# 1, 2, 3], [4, 5, 6], [7, 8, 9].transpose  
# zip
```

:

000000

**#3 - 08/01/2011 10:53 PM - naruse (Yui NARUSE)**

(2011/08/01 20:54), KISHIMOTO, Makoto wrote:

transpose 00000000zip 000000000000000000  
0000000000000000

[1, 2, 3](#), [\[4, 5, 6\]](#), [\[7, 8, 9\]](#).transpose 0 0 0 0 0 0 0 0

zip 0 0 0 0 0 0 0 0 0 0

```
irb(main):001:0> a=[1, 2, 3], [4, 5, 6], [7, 8, 9].transpose  
=> [1, 4, 7], [2, 5, 8], [3, 6, 9]  
irb(main):002:0> a.zip  
=> [[1, 4, 7], [2, 5, 8], [3, 6, 9]]  
irb(main):003:0> a[0].zip(*a[1,2])  
=> [1, 2, 3], [4, 5, 6], [7, 8, 9]
```

0000  
0000000000000000000000000000

--  
NARUSE, Yui [naruse@airemix.jp](mailto:naruse@airemix.jp)

**#4 - 08/01/2011 11:34 PM - mrkn (Kenta Murata)**

zip transpose 0000000000  
000000000000000000000000

0000000000 unzip 0000 zip 0000000000000000000000  
zip 000000000000000000000000

00000000

transpose 00000000zip 000000000000000000  
0000000000000000

0000000000000000000000000000  
000000000000000000000000

**#5 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)**

- Status changed from Open to Assigned

**#6 - 10/27/2012 06:17 AM - ko1 (Koichi Sasada)**

- Assignee changed from matz (Yukihiko Matsumoto) to mrkn (Kenta Murata)  
- Target version changed from 2.0.0 to 2.6

0000000000000000000000000000  
mrkn 000000000000000000000000next minor 2.0 00000000

**#7 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)**

- Target version deleted (2.6)