

Ruby master - Feature #3021

Array#product should accept a block.

03/27/2010 02:59 AM - marcandre (Marc-Andre Lafortune)

Status:	Closed
Priority:	Normal
Assignee:	matz (Yukihiro Matsumoto)
Target version:	1.9.2
Description =begin Array#permutation and #combination will yield to the given block, or else return an enumerator. I believe Array#product should have been designed the same way. Returning an enumerator today would break compatibility though. I suggest that Array#product(&block) yields to the block and returns self. This maintains compatibility while making it possible to produce an enumerable with my_array.to_enum(:product, ...) or to avoid building an intermediate array. I could implement this feature in time for code freeze. =end	

History

#1 - 03/31/2010 01:52 AM - mame (Yusuke Endoh)

- Assignee set to matz (Yukihiro Matsumoto)

=begin
Hi,

2010/3/27 Marc-Andre Lafortune redmine@ruby-lang.org:

Array#permutation and #combination will yield to the given block, or else return an enumerator.

I believe Array#product should have been designed the same way.

Returning an enumerator today would break compatibility though.

I suggest that Array#product(&block) yields to the block and returns self. This maintains compatibility while making it possible to produce an enumerable with my_array.to_enum(:product, ...) or to avoid building an intermediate array.

Agreed!

In fact, I suggested the similar change to let Array#product return an Enumerator. [ruby-dev:39277]

Of course, it has a compatibility problem, and matz himself suggested exactly the same change as you. [ruby-dev:39306]

--
Yusuke ENDOH mame@tsg.ne.jp
=end

#2 - 03/31/2010 10:51 PM - mame (Yusuke Endoh)

=begin
Hi,

2010/3/31 Yusuke Endoh redmine@ruby-lang.org:

2010/3/27 Marc-Andre Lafortune redmine@ruby-lang.org:

Array#permutation and #combination will yield to the given block, or else return an enumerator.

I believe Array#product should have been designed the same way.

Returning an enumerator today would break compatibility though.

I suggest that `Array#product(&block)` yields to the block and returns self. This maintains compatibility while making it possible to produce an enumerable with `my_array.to_enum(:product, ...)` or to avoid building an intermediate array.

Agreed!

In fact, I suggested the similar change to let `Array#product` return an Enumerator. [?\[ruby-dev:39277\]](#)

Of course, it has a compatibility problem, and matz himself suggested exactly the same change as you. [?\[ruby-dev:39306\]](#)

Matz agreed with this feature in [\[ruby-dev:40867\]](#). Thanks!

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Yusuke ENDOH mame@tsg.ne.jp

=end

#3 - 04/03/2010 06:57 AM - marcandre (Marc-Andre Lafortune)

- *Status changed from Open to Closed*

- *% Done changed from 0 to 100*

=begin

This issue was solved with changeset [r27200](#).

Marc-Andre, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

=end