

Ruby trunk - Feature #4907

enumerable#permutation and combination

06/20/2011 11:06 AM - neleai (Ondrej Bilka)

Status:	Rejected
Priority:	Normal
Assignee:	mrkn (Kenta Murata)
Target version:	
Description	
<p>Hello Methods permutation and combination are defined for array but it make more sense to define them for enumerable. Here is sample implementation which for simplicity works only with blocks. Note that implementation works lazily. It changes traversal order but documentation states that order is unspecified.</p> <pre>module Enumerable def perm(n) comb(n){ ary ary.permutation{ p yield(p)} } end def comb(n,&m) ary=[] e=to_enum.with_index _comb(e,n-1,1.0/0.0,ary,m) end def _comb(e,n,bound,ary,m) e.each{ el,i return if i>=bound ary[n]=el if n==0 m.call(ary) else _comb(e,n-1,i,ary,m) end } end end [1,2,4,3,5].comb(2){ a puts a.inspect} (1..4).comb(2){ a puts a.inspect} (1..4).perm(2){ a puts a.inspect}</pre>	

History

#1 - 03/25/2012 04:25 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to mrkn (Kenta Murata)

#2 - 11/20/2012 09:40 PM - mame (Yusuke Endoh)

- Priority changed from Normal to 3
- Target version set to 2.6

This will not work for an enumerator created from IO.

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#3 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#4 - 03/08/2018 09:26 AM - mrkn (Kenta Murata)

- *Status changed from Assigned to Closed*

No use case is shown, so I close this issue.

#5 - 03/08/2018 09:27 AM - mrkn (Kenta Murata)

- *Status changed from Closed to Rejected*