

Redmine - Feature #8645

enumerable#permutation and combination.

2011-06-20 03:53 - Ondrej Bilka

Status:	Closed	Start date:	2011-06-20
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Resolution:	Invalid		
Description			
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. <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 - 2011-06-20 03:56 - Ondrej Bilka**
- Note that implementation works lazily.
- It changes traversal order but documentation states that order is unspecified.
- #2 - 2011-06-20 04:00 - Ondrej Bilka**
- Status changed from New to Resolved
- #3 - 2011-06-20 04:04 - Ondrej Bilka**
- sorry confused with ruby issue tracking
- #4 - 2011-06-20 04:23 - Jean-Baptiste Barth**
- Status changed from Resolved to Closed

- *Resolution set to Invalid*

No problem. Ruby issue tracking can be found here : <http://redmine.ruby-lang.org/>