Ruby - Feature #6552

Enumerator::Generator:select should return another Enumerator::Generator

06/07/2012 06:47 AM - eike.rb (Eike Dierks)

Status:	Rejected		
Priority:	Normal		
Assignee:			
Target version:	1.9.3		
Description			
The current imple resulting in an en		ils when applied to an open ended Enumer	ator:Generator,
	lementation, :select seems to co in is not bound, this results in ar	ect all values from the enumerator before a ndless loop.	pplying the selection.
Instead, applying	select to a Generator should be	pplied to each object in turn and should its	elf return a Enumerator::Generator.
(123Float::INFIN	elect the first 5 even numbers st IITY).select{ n n.even?}.take(5) results in an endless loop.	ing at 123 should work as:	
The same probler	m applies for :map and some oth	r operators on Enumerations	
	g :select and :map to make ther e the api contract as they are cu	work with open ended Enumerations ently defined to return an array.	
	have a look at the SICSP on st t.edu/sicp/full-text/sicp/book/noc		
I came up with thi	s prototype:		
def select █ Enumerator.new	tor for all elements from enume	ion where block returns true	
self.each do obj if block.call(obj) y< <obj< td=""><td></td><th></th><th></th></obj<>			
end end			
end end			
end			
		n y< <n}}< th=""><th></th></n}}<>	
voilà!			

History

#1 - 06/08/2012 02:27 PM - gregolsen (Innokenty Mikhailov)

You might be interested in Enumerator::Lazy that effectively solves you problem. (123..Float::INFINITY).lazy.select{|n|n.even?}.take(5).force It's in trunk already and will be available in ruby 2.0

#2 - 07/14/2012 06:44 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Feedback

#3 - 11/24/2012 02:19 PM - mame (Yusuke Endoh)

- Status changed from Feedback to Rejected

I agree with gregolsen. No feedback. Closing.

Yusuke Endoh mame@tsg.ne.jp

Files

Enumerator_Generator_select.rb

806 Bytes

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eike.rb (Eike Dierks)