

Ruby master - Bug #8242

Fix rdoc of Range#bsearch

04/09/2013 11:35 PM - yhara (Yutaka HARA)

Status: Closed	
Priority: Normal	
Assignee: marcandre (Marc-Andre Lafortune)	
Target version: 2.1.0	
ruby -v: ruby 2.0.0p0 (2013-02-24 revision 39474) [x86_64-darwin12.2.1]	Backport: 2.0.0: DONE
Description rdoc of Range#bsearch states "the elements must be sorted", but it does not make sense for Range. Patch: diff --git a/range.c b/range.c index 1e4347e..fab0718 100644 --- a/range.c +++ b/range.c @@ -512,11 +512,10 @@ is_integer_p(VALUE v) <ul style="list-style-type: none">• rng.bsearch { obj block } -> value *• By using binary search, finds a value in range which meets the given<ul style="list-style-type: none">◦ * condition in O(log n) where n is the size of the array.◦ * condition in O(log n) where n is the size of the range. *• You can use this method in two use cases: a find-minimum mode and<ul style="list-style-type: none">◦ * a find-any mode. In either case, the elements of the array must be◦ * monotone (or sorted) with respect to the block.◦ * a find-any mode. *• In find-minimum mode (this is a good choice for typical use case),• the block must return true or false, and there must be a value x @@ -524,7 +523,7 @@ is_integer_p(VALUE v) *• - the block returns false for any value which is less than x, and• - the block returns true for any value which is greater than or<ul style="list-style-type: none">◦ * equal to i.◦ * equal to x. *• If x is within the range, this method returns the value x.• Otherwise, it returns nil.	

Associated revisions

Revision eb5f3619 - 06/02/2013 03:05 AM - zzak (Zachary Scott)

- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@41026 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)

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Revision 6f617028 - 06/02/2013 01:39 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 41026: [Backport #8242]

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* range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@41033 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 04/10/2013 01:21 AM - marcandre (Marc-Andre Lafortune)

I understood "sorted" as a synonym of "monotone". The important part is "with respect to the block".

A range can be "sorted with respect to the block", in the same way an array can.

Note that although [-1, 0, 1] is sorted (with respect to \leq), it is not sorted with respect to $\{|x| x.abs\}$, for example.

#2 - 04/28/2013 10:40 AM - zzak (Zachary Scott)

[marcandre \(Marc-Andre Lafortune\)](#) What do you suggest?

#3 - 05/09/2013 11:20 PM - zzak (Zachary Scott)

- Status changed from Open to Assigned

- Assignee changed from mame (Yusuke Endoh) to marcandre (Marc-Andre Lafortune)

#4 - 06/02/2013 12:05 PM - zzak (Zachary Scott)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r41026.

Yutaka, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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- range.c: Fix rdoc on Range#bsearch [Bug [#8242](#)] [ruby-core:54143]

#5 - 06/02/2013 10:38 PM - nagachika (Tomoyuki Chikanaga)

- Backport set to 2.0.0: DONE