## 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)
rng.bsearch {}block{} value
By using binary search, finds a value in range which meets the given
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
- 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 \(x\)
- \(\text{@@ -524,7 +523,7 @@ is\_integer\_p(VALUE v)}\)
  - 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
- 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)**
range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)
- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)
- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)
- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)
- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 41026 - 06/02/2013 03:05 AM - zzak (Zachary Scott)
- range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

Revision 6f617028 - 06/02/2013 01:39 PM - nagachika (Tomoyuki Chikanaga)
- merge revision(s) 41026: [Backport #8242]
  - range.c: Fix rdoc on Range#bsearch [Bug #8242] [ruby-core:54143]

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 <=>), 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.

#5 - 06/02/2013 10:38 PM - nagachika (Tomoyuki Chikanaga)
- Backport set to 2.0.0: DONE