Ruby master - Bug #18673
Anonymous block forwarding fails when combined with keyword arguments
03/31/2022 10:19 PM - brasic (Carl Brasic)

Status: Closed
Priority: Normal
Assignee: 
Target version: 
ruby -v: 
Backport: 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONE

Description
Hello!
I tried to use the anonymous block forwarding feature introduced in https://bugs.ruby-lang.org/issues/11256 and released with ruby 3.1.
Unfortunately it appears to unexpectedly fail during parsing when used in a method that also accepts keyword arguments. I don't see this limitation documented so I presume it is a bug. I've attached a simple reproduction script.

/cc @jeremyevans0 (Jeremy Evans) as author.

$ ruby -v
ruby 3.1.1p18 (2022-02-18 revision 53f5fc4236) [x86_64-linux]
$ ruby anon_repro.rb
anon_repro.rb:14: no anonymous block parameter

Carl

Associated revisions
Revision 3bb70a69 - 04/05/2022 02:35 PM - jeremyevans (Jeremy Evans)
Fix using anonymous block in method accepting explicit keywords
Record block ID before vtable_pop, so the incorrect one doesn't override it.
Fixes [Bug #18673]

Revision 750d4dc3 - 06/18/2022 07:10 AM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 3bb70a6924ddd8390b508b5bb4d5629b8a41c6: [Backport #18673]
Fix using anonymous block in method accepting explicit keywords
Record block ID before vtable_pop, so the incorrect one doesn't override it.
Fixes [Bug #18673]
---
parse.y | 1 +
test/ruby/test_syntax.rb | 54:+++++++++++++++++++++++++++++
2 files changed, 55 insertions(+)

History
#1 - 03/31/2022 11:21 PM - jeremyevans0 (Jeremy Evans)
This does seem to be a bug. It affects method that accept explicit keyword parameters (keyword splats are not affected, nor are methods that explicitly accept no keywords via **nil). I'll try to take a look in the coming week, hopefully it's a simple fix in parse.y. @mame (Yusuke Endoh) @nobu (Nobuyoshi Nakada), any ideas?

#2 - 04/04/2022 11:05 PM - jeremyevans0 (Jeremy Evans)
- Backport changed from 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN to 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED
I submitted a pull request to fix this issue: https://github.com/ruby/ruby/pull/5761

#3 - 04/05/2022 02:36 PM - jeremyevans (Jeremy Evans)
- Status changed from Open to Closed

Applied in changeset 3bb70a6924ddd83f90b508b5bbc4d5629b8a41c6.

- Fix using anonymous block in method accepting explicit keywords
- Record block ID before vtable_pop, so the incorrect one doesn't override it.
- Fixes [Bug #18673]

#4 - 06/18/2022 07:38 AM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.7: DONTNEED, 3.0: DONTNEED, 3.1: REQUIRED to 2.7: DONTNEED, 3.0: DONTNEED, 3.1: DONE

ruby_3_1 750d4dc3aff7c2fe25fe99f1b98327f68734c9a merged revision(s) 3bb70a6924ddd83f90b508b5bbc4d5629b8a41c6.

Files

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<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>anon_repro.rb</td>
<td>223 Bytes</td>
<td>03/31/2022</td>
<td>brasic (Carl Brasic)</td>
</tr>
</tbody>
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