Ruby master - Bug #14563

irb in irb raises a FATAL error

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>aycabta (aycabta .)</td>
</tr>
</tbody>
</table>

Target version:

```
ruby -v:
ruby 2.6.0preview1 (2018-02-24 trunk 62554) [x86_64-darwin17]
```

Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description

Start irb in irb, then C-c and C-d cause a fatal error.

```
$ irb
irb(main):001:0> irb
irb#1(main):001:0> `^C`
irb#1(main):001:0>
Traceback (most recent call last):
 16: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/ruby-ex.rb:232:in `block in each_top_level_statement'
 14: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/ruby-ex.rb:246:in `block (2 levels) in each_top_level_statement'
 12: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/ruby-ex.rb:491:in `block (2 levels) in eval_input'
 10: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/commands.rb:381:in `evaluate'
  9: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/commands.rb:85:in `evaluate'
  8: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/commands.rb:85:in `eval'
  7: from (irb):1:in `irb_binding'
  6: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/commands.rb:154:in `irb'
  5: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/commands.rb:151:in `irb'
  4: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/cmd/nop.rb:20:in `execute'
  3: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/cmd/nop.rb:20:in `execute'
  1: from /Users/hkdnet/.anyenv/envs/rbenv/versions/2.6.0-preview1/lib/ruby/2.6.0/irb/cmd/multi-irb.rb:229:in `stop'
fatal (No live threads left. Deadlock?)
```

02/22/2020
Maybe IRB bug!

History

#1 - 06/19/2019 09:38 PM - jeremyevans0 (Jeremy Evans)
I was able to reproduce this issue with the current master branch. I'm not sure why it occurs, though. The thread that is stopped (the main thread) is woken up by the thread that IRB.irb spawn's before that thread exits. So I am not sure why this would cause deadlock. Interestingly, this issue only occurs on the first nesting. If you nest irb twice, then do Ctrl-C, Ctrl-D, it does not cause an error.

#2 - 02/14/2020 11:38 AM - hsbt (Hiroshi SHIBATA)
- Assignee set to aycabta (aycabta .)
- Status changed from Open to Assigned

#3 - 02/15/2020 02:10 PM - aycabta (aycabta .)
- Status changed from Assigned to Closed

I think this is already fixed.