

Ruby - Bug #20344

argument stack underflow (-1)

03/18/2024 03:37 PM - nobu (Nobuyoshi Nakada)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		Backport: 3.0: REQUIRED, 3.1: REQUIRED, 3.2: DONE, 3.3: DONE

Description

This file produces argument stack underflow, since ruby 2.5.

```
proc do
  next if true

  case nil
  when "a"
    next
  when "b"
  when "c"
    proc {}
  end

  next unless true
end

-- raw disasm-----
  trace: 100
  0000 nop ( 1)
<L000> [sp: 0, unremovable: 1, refcnt: 5]
  trace: 1
<L004> [sp: 0, unremovable: 0, refcnt: 1]
  adjust: [label: 0]
  0001 putnil ( 2)
  0002 leave ( 13)
<L008> [sp: 1, unremovable: 0, refcnt: 1]
  adjust: [label: 0]
  0003 putnil ( 6)
  0004 leave ( 13)
  adjust: [label: 8]
  0005 jump <L005> ( 5)
  0007 pop ( 7)
  0008 jump <L005> ( 7)
* 0010 pop ( 8)
  trace: 1
<L011> [sp: -1, unremovable: 1, refcnt: 1]
  0011 putself ( 9)
  0012 send <calldata:proc, 0>, nil ( 9)
<L012> [sp: -1, unremovable: 0, refcnt: 2]
  0015 pop ( 9)
<L005> [sp: 1, unremovable: 0, refcnt: 2]
  trace: 1
  0016 putnil ( 12)
<L001> [sp: -1, unremovable: 0, refcnt: 3]
  trace: 200
  0017 leave ( 13)
-----
```

Associated revisions

Revision 992596fb7af18a7f472589a607d0eb3fbb03b49a - 08/12/2024 09:09 AM - tompng (tomoya ishida)

Fix next inside block argument stack underflow

[Bug #20344]
Fix compile_next adding removable adjust label

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Revision 21c708ee802e1a59901eccc6448e40e8f72189b8 - 08/18/2024 09:07 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 992596fb7af18a7f472589a607d0eb3fbb03b49a: [Backport #20344]

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Revision d83b5633b16f4ddcece4ff924f21c5a5851470cf - 09/02/2024 10:10 AM - k0kubun (Takashi Kokubun)

merge revision(s) 992596fb7af18a7f472589a607d0eb3fbb03b49a: [Backport #20344]

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Revision d83b5633 - 09/02/2024 10:10 AM - k0kubun (Takashi Kokubun)

merge revision(s) 992596fb7af18a7f472589a607d0eb3fbb03b49a: [Backport #20344]

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History

#1 - 08/12/2024 09:09 AM - tompng (tomoya ishida)

- Status changed from Open to Closed

Applied in changeset [git|992596fb7af18a7f472589a607d0eb3fbb03b49a](#).

Fix next inside block argument stack underflow

[Bug [#20344](#)]

Fix compile_next adding removable adjust label

#2 - 08/18/2024 09:30 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 3.0: REQUIRED, 3.1: REQUIRED, 3.2: REQUIRED, 3.3: REQUIRED to 3.0: REQUIRED, 3.1: REQUIRED, 3.2: DONE, 3.3: REQUIRED

ruby_3_2 [21c708ee802e1a59901eccc6448e40e8f72189b8](#) merged revision(s) [992596fb7af18a7f472589a607d0eb3fbb03b49a](#).

#3 - 09/02/2024 10:10 AM - k0kubun (Takashi Kokubun)

- Backport changed from 3.0: REQUIRED, 3.1: REQUIRED, 3.2: DONE, 3.3: REQUIRED to 3.0: REQUIRED, 3.1: REQUIRED, 3.2: DONE, 3.3: DONE

ruby_3_3 [d83b5633b16f4ddcece4ff924f21c5a5851470cf](#) merged revision(s) [992596fb7af18a7f472589a607d0eb3fbb03b49a](#).