Ruby master - Bug #13324

IRB Segmentation Fault from eval infinite loop

03/17/2017 04:01 PM - srodman7689@gmail.com (Sean Rodman)

Status: Rejected
Priority: Normal
Assignee:
Target version:
ruby -v: ruby 2.3.0p0 (2015-12-25 revision 53290) [x86_64-darwin15]
Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

Description
I am not sure if this has already been taken care of or not but I am using ruby 2.3.0 and irb 0.9.6(09/06/30) and when I run the below code I get a segmentation fault

```
a = "eval a"; eval a
```

when running the same code with just the ruby interpreter I get the below error which is what I would expect

```
-e:1:in `eval': stack level too deep (SystemStackError)
   from (eval):1:in `<main>'
   from (eval):1:in `eval'
   from (eval):1:in `<main>'
   from (eval):1:in `eval'
   from (eval):1:in `<main>'
   from (eval):1:in `eval'
   ... 9507 levels...
   from (eval):1:in `eval'
   from (eval):1:in `<main>'
   from -e:1:in `eval'
   from -e:1:in `<main>'
```

History

#1 - 03/17/2017 04:02 PM - srodman7689@gmail.com (Sean Rodman)
The command I use to run it directly on the ruby interpreter is ruby -e "a = \"eval a\"; eval a"

#2 - 05/19/2017 06:37 AM - nobu (Nobuyoshi Nakada)
- Description updated

#3 - 05/19/2017 06:54 AM - ko1 (Koichi Sasada)
- Status changed from Open to Closed

Fundamentally, we can't control machine stack overflow.
We will improve the situation (but can't solve completely).

#4 - 06/07/2017 02:18 PM - srodman7689@gmail.com (Sean Rodman)
- Status changed from Closed to Open

The issue is not the stack overflow but the segmentation fault I described when running the same code in the above listed irb version.

#5 - 06/08/2017 01:54 AM - ko1 (Koichi Sasada)
- Status changed from Open to Closed

srodman7689@gmail.com (Sean Rodman) wrote:

The issue is not the stack overflow but the segmentation fault I described when running the same code in the above listed irb version.
SEG V because of machine stack overflow.

#6 - 06/29/2017 05:06 PM - usa (Usaku NAKAMURA)
- Status changed from Closed to Rejected