

Ruby - Bug #7615

assignment to context variable changes the precedence order of function call with followed by ' (' (whitespace-bracket)

12/24/2012 03:18 PM - snoble (Steven Noble)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:	ruby 2.0.0dev (2012-12-01 trunk 38126) [x86_64-darwin12.2.0]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description		
this is similar to http://bugs.ruby-lang.org/issues/1801 but it wasn't pointed out then that ruby will use two different parsings at different times		
note that in this code a and b have the same assignment code but are assigned different values		
code:		
<pre>def foo(x); 99; end a = foo (44) / 11 foo = 99999999 b = foo (44) / 11 puts "a: #{a} b: #{b}" #output of "a: 99 b: 9"</pre>		
The output of ruby_parser is:		
<pre>s(:block, s(:defn, :foo, s(:args, :x), s(:lit, 99)) s(:lasgn, :a, s(:call, nil, :foo, s(:call, s(:lit, 44), :/, s(:lit, 11)))), s(:lasgn, :foo, s(:lit, 999999999)), s(:lasgn, :b, s(:call, s(:call, nil, :foo, s(:lit, 44)), :/, s(:lit, 11))))</pre>		
observed in 1.9.4 and 2.0.0-preview2, but does not occur in 1.8.7		

History

#1 - 01/22/2013 04:46 AM - snoble (Steven Noble)

is this result not extremely surprising to anyone else? I would expect a and b to be assigned the same value

#2 - 01/25/2013 12:53 PM - ko1 (Koichi Sasada)

- Category set to core
- Assignee set to nobu (Nobuyoshi Nakada)
- Target version set to 2.0.0

Nobu, could you check it?

#3 - 02/19/2013 01:49 AM - mame (Yusuke Endoh)

- Subject changed from assignment to context variable changes the precedence order of function call with followed by ' (' (whitespace-bracket) to assignment to context variable changes the precedence order of function call with followed by ' (' (whitespace-bracket)
- Status changed from Open to Assigned
- Target version changed from 2.0.0 to 2.6

Interesting, but I'm reluctant to fix this in 2.0.0 because it looks impractical and incompatible to 1.9.X.

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#4 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- Target version deleted (2.6)

#5 - 08/07/2019 04:36 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Assigned to Closed

This was fixed between Ruby 2.4 and 2.5:

```
$ ruby24 -e '  
> def foo(x); 99; end  
> a = foo (44) / 11  
> foo = 99999999  
> b = foo (44) / 11  
> puts "a: #{a} b: #{b}"  
a: 99 b: 9
```

```
$ ruby25 -e '  
> def foo(x); 99; end  
> a = foo (44) / 11  
> foo = 99999999  
> b = foo (44) / 11  
> puts "a: #{a} b: #{b}"  
a: 99 b: 99
```