Ruby master - Bug #2427
possible bug in Method#source_location (from [ruby-core:27014])
12/04/2009 09:53 AM - ujihisa (Tatsuhiro Ujihisa)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>mame (Yusuke Endoh)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 1.9.2dev (2009-11-11 trunk 25717) [i386-mingw32]</td>
</tr>
</tbody>
</table>

### Description

Originaly reported by Roger Pack:

```
It appears that Method#source_location returns different values for 1.9.1 and 1.9.2dev for this code:

class A
  def go( a=3,
            b=3)
    end
  end
puts A.instance_method(:go).source_location

1.9.1 says line 3, 1.9.2 says line 4.

I assume 1.9.1 is correct? (I would expect it to be the line it starts on, and if you take out the default values, both 1.9.1 and 1.9.2 says line 3).
Thanks.
-r
```

According to Luis Lavena's report,

```
a.rb, ending either with LF or CRLF:

C:\Users\Luis\Desktop>pik tags yarv ruby a.rb
ruby 1.9.1p243 (2009-07-16 revision 24175) [i386-mingw32]
a.rb
3

ruby 1.9.2dev (2009-11-11 trunk 25717) [i386-mingw32]
a.rb
4
```

But I couldn't reproduce the issue on Mac OS X. Both LF and CRLF scripts said the same results.

```
In my environment, both versions of ruby said same results.

$ ruby191 -v a.rb
ruby 1.9.1p243 (2009-08-09 revision 24476) [i386-darwin9.7.0]
a.rb
4

$ ruby192 -v a.rb
ruby 1.9.2dev (2009-12-04 trunk 25986) [i386-darwin9.8.0]
a.rb
```

08/07/2021
I don't know whether 3 or 4 is correct.

Anyway, this difference is brought by the changes of parse.y, and not depends on the platform of ruby. It depends on only revision. I don't track the changes of parse.y, so I don't know the actual revision which brings this difference. In my expectation, Nobu knows everything about it.

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#3 - 12/04/2009 04:57 PM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

=begin
This issue was solved with changeset r25992.
ujihisa, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.
=end