

Backport187 - Bug #2483

String#to_f of small numbers hangs

12/15/2009 07:57 PM - mikisvaz (Miguel Vazquez)

Status:	Closed
Priority:	Normal
Assignee:	
Target version:	
ruby -v:	ruby 1.8.7 (2009-06-12 patchlevel 174) [i686-linux]

Description

=begin

There is a problem in the String#to_f method. It hangs when the float is really small.

This works:

```
ruby-1.8 -e 'puts "1e-20".to_f'
```

This hangs:

```
ruby-1.8 -e 'puts "1e-100".to_f'  
=end
```

History

#1 - 12/15/2009 09:12 PM - mikisvaz (Miguel Vazquez)

=begin

I'm using archlinux. I've just tried several versions of the 1.8, the 174 and the 72 patches and both still hang. 1.9 works fine.

=end

#2 - 11/25/2010 01:54 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Feedback

=begin

Can you see if it still happens? I can't reproduce the situation on my machine now.

=end

#3 - 11/25/2010 07:40 PM - zimbalm (zimbal m)

=begin

Can't reproduce the bug on Mac OS X 10.6.5 with ruby-1.8.7-p302

=end

#4 - 11/25/2010 08:14 PM - sorah (Sorah Fukumori)

=begin

Can't reproduce on OSX10.6.5 and Debian squeeze (amd64) with 1.8 trunk.

```
[sorah@lemonade]:~/git/ruby/core18/builds/master% ruby -ve 'puts "1e-100".to_f'
```

```
ruby 1.8.8dev (2010-11-24) [i386-darwin10.5.0]
```

```
1.0e-100
```

```
[sorah@cleveland]:~/git/ruby/core18/builds/master% ruby -ve 'puts "1e-100".to_f'
```

```
ruby 1.8.8dev (2010-11-24) [x86_64-linux]
```

```
1.0e-100
```

=end

#5 - 08/27/2019 04:35 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Feedback to Closed

- Description updated