

## Ruby master - Bug #9797

### Math::log - missing domain error check

05/03/2014 02:40 AM - cremno (cremno phobia)

<b>Status:</b>	Closed		
<b>Priority:</b>	Normal		
<b>Assignee:</b>			
<b>Target version:</b>			
<b>ruby -v:</b>	ruby 2.2.0dev (2014-05-03) [x64-mswin64_120]	<b>Backport:</b>	2.0.0: WONTFIX, 2.1: WONTFIX

#### Description

Math::log with a negative base should raise a Math::DomainError.

```
Math.log(-1.0) # raises Math::DomainError
Math.log( 1.0, -1.0) # doesn't (but calls `log(-1.0)` internally!)
```

#### Associated revisions

##### Revision 38656e24 - 05/03/2014 05:28 AM - nobu (Nobuyoshi Nakada)

math.c: check domain of base argument

- math.c (math\_log): check domain of base argument too. raises Math::DomainError instead of returning NaN if the base is less than 0, and returns NaN instead of -infinity if both of two arguments are 0. [ruby-core:62309] [Bug #9797]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@45795 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 45795 - 05/03/2014 05:28 AM - nobu (Nobuyoshi Nakada)

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## History

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### #1 - 05/03/2014 05:28 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset r45795.

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### #2 - 07/02/2014 07:20 AM - usa (Usaku NAKAMURA)

- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN to 2.0.0: WONTFIX, 2.1: UNKNOWN

### #3 - 08/08/2014 03:36 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.0.0: WONTFIX, 2.1: UNKNOWN to 2.0.0: WONTFIX, 2.1: WONTFIX