

Ruby master - Bug #7024

90 * 1.1 => 99.00000000000001

09/15/2012 05:43 AM - Bahanix (Julien -)

Status: Rejected	
Priority: Normal	
Assignee:	
Target version: 1.9.3	
ruby -v: ruby 1.9.3p194 (2012-04-20 revision 35410) [i686-linux]	Backport:
Description	
<pre>\$ ruby -v ruby 1.9.3p194 (2012-04-20 revision 35410) [i686-linux] \$ irb 1.9.3p194 :001 > 90*1.1 => 99.00000000000001 1.9.3p194 :002 > 90.0*1.1 => 99.00000000000001 Expected value: 99.0 Thanks for your job every one!</pre>	

History

#1 - 09/15/2012 07:05 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Open to Rejected

This is expected from floating point calculations; you'll get this result in other languages too.

Checkout <http://0.3000000000000004.com/>

#2 - 09/15/2012 09:11 PM - alexeymuranov (Alexey Muranov)

Julien, try

```
(90 * Rational(11, 10)).to_f
```

or

```
(90 * '1.1'.to_r).to_f
```

or

```
(90 * 1.1.rationalize).to_f
```