

Ruby trunk - Bug #7837

IO.open with three arguments where third argument is bogus reports an arity problem instead of type problem

02/13/2013 03:44 AM - enebo (Thomas Enebo)

Status:	Rejected	
Priority:	Normal	
Assignee:		
Target version:	2.6	
ruby -v:	ruby 2.0.0dev (2013-02-08 trunk 39161) [x86_64-darwin11.4.2]	Backport:

Description

I am reporting this against 2.0.rc2 but it also applies to mri 1.9.3. If I run the following one-liner:

```
mri20 -e 'f = File.open("tmp"); IO.open(f.fileno, "r", :heh)'
```

I get the error:

```
-e:1:in `initialize': wrong number of arguments (3 for 1..2) (ArgumentError)
```

This seems wrong because if I change the third argument to an options hash it works fine. So having an arity of 3 is not a problem for open. It is that :heh is not a hash. I think this should generate a TypeError.

History

#1 - 02/13/2013 05:14 AM - drbrain (Eric Hodel)

- Category set to core

- Target version set to 2.6

=begin

Since Ruby 1.9.3p374 has the same behavior I have marked this for next minor:

```
$ ruby19 -ve 'f = File.open("tmp"); IO.open(f.fileno, "r", :heh)'  
ruby 1.9.3p374 (2013-01-15 revision 38858) [x86_64-darwin12.2.1]  
-e:1:in initialize': wrong number of arguments (3 for 1..2) (ArgumentError)  
from -e:1:inopen'  
from -e:1:in ``
```

=end

#2 - 02/13/2013 02:39 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Rejected

=begin

It's common behavior to keyword arguments,

```
$ ruby -e 'def foo(a, b, c:1);end' -e 'foo(2,3,42)'  
-e:1:in foo': wrong number of arguments (3 for 2) (ArgumentError)  
from -e:2:in'
```

The optional argument hash is stripped before arity check, so it's "invisible" as arity.

=end