Ruby master - Bug #11417
Wrong description for `limit` parameter for IO#gets

08/05/2015 09:48 AM - asterite (Ary Borenszweig)

Status: Closed
Priority: Normal
Assignee: 
Target version: 
ruby -v: 
Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

Description
It says:
"If the first argument is an integer, or optional second argument is given, the returning string would not be longer than the given value in bytes."

But:

```ruby
require "stringio"
io = StringIO.new "こんにちは"
string = io.gets(1)
puts string #=> "こ"
puts string.bytes.length #=> 3
```

The returning value number of bytes (3) is longer than the given value (1), so it contradicts the description.

I guess the implementation reads chars until the total number of bytes read is equal or bigger than the limit.

But I don't know how to describe this behaviour in a way that's clear to the user.

History

#1 - 11/07/2015 07:41 PM - davydov_anton (Anton Davydov)
Ary hello!

The problem in UTF-8 encoding. For example japanese characters are represented by 3 bytes:

```ruby
StringIO.new("こんにちは").gets(1) #=> "こ"
StringIO.new("こんにちは").gets(2) #=> "こ"
StringIO.new("こんにちは").gets(3) #=> "こ"
StringIO.new("こんにちは").gets(4) #=> "こん"
```

Also I created RP in ruby/ruby repository where I updated IO#gets documentation.

#2 - 07/05/2019 01:25 AM - jeremyevans0 (Jeremy Evans)
- Status changed from Open to Closed

This was fixed in 965e9df38045594d126991e6a109c5746242d2ba.