

Ruby master - Feature #5899

chaining comparisons.

01/16/2012 09:10 PM - neleai (Ondrej Bilka)

Status: Rejected	
Priority: Normal	
Assignee: matz (Yukihiro Matsumoto)	
Target version:	
Description	
Migration from python to ruby is problematic because ruby lacks certain features. Most important python advantage is chained comparison We must wrap every comparison like described below.	
<pre>puts "yes" if 1<2<3<4 class Fixnum def <(a) (self<=>a) == -1) && a end end class FalseClass def <(a) false end end</pre>	

History

#1 - 01/16/2012 09:59 PM - Anonymous

Ondrej Bilka wrote in post #1041080:

Issue [#5899](#) has been reported by Ondrej Bilka.

Feature [#5899](#): chaining comparisons.
<https://bugs.ruby-lang.org/issues/5899>

```
puts "yes" if 1<2<3<4
```

+1

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Posted via <http://www.ruby-forum.com/>.

#2 - 01/17/2012 07:09 AM - kernigh (George Koehler)

What is a good way to do chained comparison in Ruby?

My best attempt, so far, is

```
[1, 2, 3, 4].each_cons(2).all? {|a, b| a < b}
```

#3 - 01/23/2012 03:33 PM - naruse (Yui NARUSE)

- Status changed from Open to Assigned

- Assignee set to matz (Yukihiro Matsumoto)

#4 - 04/01/2012 02:30 AM - matz (Yukihiro Matsumoto)

- Status changed from Assigned to Feedback

I don't think changing "1 < b < 4" to "1 < b && b < 4" is that hard task. I am not sure it's worth allowing confusing "false < 4".

Matz.

#5 - 11/20/2012 10:31 PM - mame (Yusuke Endoh)

- *Target version set to 2.6*

#6 - 04/25/2016 04:54 PM - sos4nt (Stefan Schüßler)

Yukihiro Matsumoto wrote:

I don't think changing " $1 < b < 4$ " to " $1 < b \ \&\& \ b < 4$ " is that hard task.

Writing $1 < b \ \&\& \ b < 4$ is not hard. But doesn't $1 < b < 4$ look intriguing? It's so clean!

I would also expect a slight difference, namely that $1 < b < 4$ evaluates b once and $1 < b \ \&\& \ b < 4$ evaluates b twice.

#7 - 05/17/2016 06:45 AM - nobu (Nobuyoshi Nakada)

- *Description updated*

#8 - 05/17/2016 06:59 AM - matz (Yukihiro Matsumoto)

- *Description updated*

I don't think it's worth adding extra complexity to Ruby.

Matz.

#9 - 05/17/2016 07:00 AM - matz (Yukihiro Matsumoto)

- *Status changed from Feedback to Rejected*

#10 - 05/17/2016 08:15 AM - nobu (Nobuyoshi Nakada)

- *Description updated*