

Ruby master - Feature #10131

Greatest multiple of r not greater than x

08/14/2014 06:32 AM - sawa (Tsuyoshi Sawada)

Status:	Feedback
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>It happens too often to me that I want to calculate the greatest multiple of numeric r not greater than numeric x. This can be done by a simple operation below:</p>	
<pre>x, r = 3.7, 0.5 x.div(r).*(r) #=> 3.5</pre>	
<pre>x, r = 41, 6 x.div(r).*(r) #=> 36</pre>	
<p>but I encounter this operation so often that I think it is an essential operation, and should be done as a single operation. Can any of the existing zero-ary operation be extended to take an optional argument to do this calculation? For example</p>	
<pre>3.7.floor(0.5) #=> 3.5 41.floor(6) #=> 36</pre>	

History

#1 - 08/14/2014 07:10 AM - sawa (Tsuyoshi Sawada)

And also a corresponding method that gives the least multiple of r not smaller than x would be helpful.

```
3.2.ceil(0.5) #=> 3.5
41.ceil(6)    #=> 42
```

#2 - 08/14/2014 07:23 AM - nobu (Nobuyoshi Nakada)

- Description updated

- Status changed from Open to Feedback

Rational#floor and BigDecimal#floor take a precision argument optionally, like as Float#round.