

Ruby master - Bug #1686

Enumerable#first broken

06/25/2009 03:25 AM - marcandre (Marc-Andre Lafortune)

Status: Closed	
Priority: Normal	
Assignee:	
Target version: 1.9.2	
ruby -v: ruby 1.9.2dev (2009-06-24 trunk 23840) [i386-darwin9.7.0]	Backport:

Description

=begin

Enumerable#first is broken in the current HEAD. If $4 \leq n < \text{enum_length} + 4$, `enum.first(n)` returns the (n-4)th element instead of an array of n elements. E.g.:

```
to6 = (1..6).to_enum # necessary so Enumerable#first is used
```

```
p to6.first(2) # ==> [1, 2]
```

```
p to6.first(4) # ==> 1
```

```
p to6.first(9) # ==> 6
```

```
p to6.first(10) # ==> [1, 2, 3, 4, 5, 6]
```

This is due to <http://redmine.ruby-lang.org/repositories/diff/ruby-19/enum.c?rev=23622>, after which `ary[0]` holds "n" as a long instead of a Fixnum. The comparison to `Qnil` isn't working as desired.

Either `ary[0]` holds `INT2NUM(len)` and `first_i` calls `NUM2LONG + INT2NUM` (as per my original patch, see <http://redmine.ruby-lang.org/issues/show/1554>) or alternatively, `enum_first` could use `take_i` or `enum_take` when there is an argument, since they behave the same way in that case.

=end

History

#1 - 06/25/2009 07:47 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin

Applied in changeset r23846.

=end