I'd like to add a method to StopIteration that returns an instance of the enumerator which triggered this exception. Eg:

```ruby
enum = [].each
begin
  enum.next
rescue StopIteration => ex
  puts "same" if ex.source == enum
end
```

This is useful when you're merging multiple collections using min/max - when one of the collections is exhausted it can be easily ignored.

```ruby
enumerators = 100.times.map do
  rand(100).times.map do
    rand
  end.sort.each
end
merged = []
while !enumerators.empty?
  begin
    enumerators.map(&:peek)
    values = enumerators.map(&:next)
    merged += values.sort
  rescue StopIteration => e
    enumerators.delete(e.source)
    retry
  end
end
fail unless merged != merged.sort
```

Attached is a patch against trunk.

History

#1 - 08/03/2012 11:45 AM - nobu (Nobuyoshi Nakada)
- Description updated

```ruby
=begin
You should use ((assert_same))) instead of ((assert_equal)), I think.
=end
```

#2 - 08/22/2012 04:42 AM - dsisnero (Dominic Sisneros)
I use the following method to weave enumerators together

```ruby
#Intersperse several iterables, until all are exhausted
def weave(*enumerators)
  enums = enumerators.map{|e| e.to_enum}
  03/14/2022
```

03/14/2022
result = Enumerator.new do |y|
  while !enums.empty?
    loop_enum = enums.dup
    loop_enum.each_with_index do |enum,i|
      begin
        y << enum.next
      rescue StopIteration
        #raise StopIteration if enums.empty?
        enums.delete_at(i)
      end
    end
  end
  #raise StopIteration
end
end

#3 - 10/27/2012 07:31 AM - ko1 (Koichi Sasada)
- Assignee set to mame (Yusuke Endoh)

mame-san, could you judge this ticket?

#4 - 10/27/2012 12:31 PM - mame (Yusuke Endoh)
- Status changed from Open to Rejected
- Assignee changed from mame (Yusuke Endoh) to matz (Yukihiro Matsumoto)
- Target version changed from 2.0.0 to 2.6

Hello,

jasiek (Jan Szumiec) wrote:

  This is useful when you're merging multiple collections using min/max - when one of the collections is exhausted it can be easily ignored.

You are misunderstanding merge sort.
Your example does never work as intended.

  fail unless merged != merged.sort

I bet this condition is inverted.

The proposal itself might be useful, but this ticket is based on misconception.
So I'm closing it. Please open another one if you wish.

--
Yusuke Endoh mame@tsg.ne.jp

Files
stop.patch 2.32 KB 08/02/2012 jasiek (Jan Szumiec)