Ruby master - Bug #14374
`for` does not splat elements
01/19/2018 08:24 AM - nobu (Nobuyoshi Nakada)

Status: Closed
Priority: Normal
Assignee: ko1 (Koichi Sasada)
Target version: ruby -v: 2.6
Backport: 2.3: REQUIRED, 2.4: REQUIRED, 2.5: REQUIRED

Description
In general, it is said that for statement and each method call are similar, except for the scope of loop variables.
I found another difference, since 1.9.

```ruby
a = [Struct.new(:to_ary).new([1, 2])]
a.each { |i, j| p [i, j] } #=> [1, 2]
for i, j in a; p [i, j]; end #=> [#{<struct to_ary=[1, 2]>, nil}]
```

In 1.8, the latter result equals the former.
Is this intentional?

Associated revisions
Revision 7ea65f9b - 01/27/2018 10:41 AM - nobu (Nobuyoshi Nakada)
compile.c: try to convert in massign for
  ● compile.c (compile_for_masgn): try to convert to an Array if an element of massign for is not an Array. [ruby-core:84931] [Bug #14374]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62073 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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History
#1 - 01/27/2018 10:41 AM - nobu (Nobuyoshi Nakada)
  - Status changed from Open to Closed
  Applied in changeset trunk|r62073.

#2 - 01/28/2018 12:21 PM - nagachika (Tomoyuki Chikanaga)
  - Backport changed from 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN to 2.3: REQUIRED, 2.4: REQUIRED, 2.5: REQUIRED

#3 - 12/05/2018 04:55 PM - nobu (Nobuyoshi Nakada)
I found each does not call Array.try_convert so only for is affected by redefinition of that method.

```ruby
$ ruby -e 'a = [Struct.new(:to_ary).new([1, 2])]; def Array.try_convert(*);raise;end;a.each { |i, j| p [i, j]}; for i, j in a; p [i, j]; end'
[1, 2]
Traceback (most recent call last):
```

04/03/2020
3: from -e:1:in `main'
2: from -e:1:in `each'
1: from -e:1:in `block in <main>'
-e:1:in `try_convert': unhandled exception

https://github.com/nobu/ruby/pull/new/feature/expandarray-for-masgn