

Ruby - Bug #13144

prettyprint doesn't detect cycles when wrapped inside Delegators

01/22/2017 01:49 AM - richardviney (Richard Viney)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	2.4.0	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN
Description <p>The line count of the pretty print output for the following class grows factorially with the number of self-referencing SimpleDelegator instances created by the initializer. With an n of 8 the line count of the pretty print output is almost one million! This occurs because the cycle detection in lib/pp.rb doesn't detect the already printed object due to it being wrapped inside a Delegator instance. The same problem occurs with pretty printing cycles wrapped inside WeakRef because it is a subclass of Delegator.</p> <pre>class Foo def initialize(n) n.times { i instance_variable_set "@a#{i}", SimpleDelegator.new(self) } end end</pre>		

Associated revisions

Revision 6a75a460536a32fb62184dc5d8d66ddd737a9bad - 12/16/2019 02:43 PM - richardviney (Richard Viney)

Make prettyprint's cycle detection aware of Delegator instances

Fixes [Bug #13144]

Co-Authored-By: Nobuyoshi Nakada nobu@ruby-lang.org

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Revision 6a75a460 - 12/16/2019 02:43 PM - richardviney (Richard Viney)

Make prettyprint's cycle detection aware of Delegator instances

Fixes [Bug #13144]

Co-Authored-By: Nobuyoshi Nakada nobu@ruby-lang.org

History

#1 - 01/22/2017 01:57 AM - richardviney (Richard Viney)

Pull request with my fix and new test case: <https://github.com/ruby/ruby/pull/1518>

#2 - 12/16/2019 03:02 PM - richardviney (Richard Viney)

- Status changed from Open to Closed

Applied in changeset [git|6a75a460536a32fb62184dc5d8d66ddd737a9bad](https://github.com/ruby/ruby/commit/6a75a460536a32fb62184dc5d8d66ddd737a9bad).

Make prettyprint's cycle detection aware of Delegator instances

Fixes [Bug [#13144](#)]

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