

Ruby 1.8 - Bug #5876

Within one module, including second module in a class causes errors in class equivalence ('object.class ==' is wrong)

01/11/2012 05:59 AM - nlgunther (Nick Gunther)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
ruby -v:	ruby 1.8.7 (2011-06-30 patchlevel 352) [i386-mingw32]

Description

If within one module, another module is included in a class, including a built-in class like Array, the equivalence operators '=' and '!=' for that class produce errors. The general form that produces the error is:

```
module Module1
  class C
    include Module2
  end
end
c = Module1::C.new
puts (c.class == C ? 'correct' : 'incorrect')
```

produces 'incorrect'

The output from the attached code illustrates the problem with the built-in class Array:

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FIRST: Testing Within a Module: Displays the Problem and the Workaround
= Converting to Strings

Compare the results for Testing Equivalences of
Classes and Classes Converted to String:

Testing Class Equivalence:

The class is an array: Array

But we're in the branch where array class equivalence
tested false, so there's a problem!

WORKAROUND: Testing Equivalence After Converting to Strings:

No Problem

SECOND: Testing Outside a Module: No problem

Class and Class Converted to String:

Testing Class Equivalence

No Problem

Testing Equivalence After Converting to Strings

No Problem

History

#1 - 01/11/2012 06:53 PM - now (Nikolai Weibull)

On Tue, Jan 10, 2012 at 21:59, Nick Gunther nlgunther@gmail.com wrote:

```
module Module1
  class C
    include Module2
  end
end
c = Module1::C.new
puts (c.class == C ? 'correct' : 'incorrect')
```

produces 'incorrect'

c.class == Module1::C ? 'correct' : 'incorrect' # => "correct"

Files

FilesShowingModuleProblems.zip	872 Bytes	01/11/2012	nlgunther (Nick Gunther)
testModule.rb	1.78 KB	01/11/2012	nlgunther (Nick Gunther)
OtherFileWithModules.rb	24 Bytes	01/11/2012	nlgunther (Nick Gunther)