Ruby - Bug #11274

Equality inconsistency between Method and UnboundMethod

06/17/2015 08:01 AM - ko1 (Koichi Sasada)

Status:	Closed		
Priority:	Normal		
Assignee:	matz (Yukihiro Matsumoto)		
Target version:			
ruby -v:	2.3dev	**Backport:**	2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

Description

Method [illegible] UnboundMethod [illegible] equality [illegible]

```
module M1
  def foo; end
end

module M2
  include M1
  alias bar foo
end

class C
  include M1
  include M2
end

c = C.new
c_m1 = c.method(:foo)
c_m2 = c.method(:bar)
p [c_m1, c_m2, c_m1 == c_m2, c_m2 == c_m1]
```

[illegible]

```
[#<Method: C(M1)#foo>, #<Method: C(M1)#bar(foo)>, true, true]
```

[illegible]

[illegible]UnboundMethod#== [illegible]

```
module M1
  def foo; end
end

module M2
  include M1
  alias bar foo
end

ubm1 = M1.instance_method(:foo)
ubm2 = M2.instance_method(:bar)

p [ubm1, ubm2, ubm1==ubm2, ubm2==ubm1]
```

[illegible]

```
[#<UnboundMethod: M1#foo>, #<UnboundMethod: M2(M1)#bar(foo)>, false, false]
```

[illegible]

[illegible]

□□□□□Method#== □□□□□□

```
 * Two method objects are equal if they are bound to the same
 * object and refer to the same method definition and their owners are the
 * same class or module.
```

□□□□□□□□□□□□□□□□□□□□□□□□

```
module M1
  def foo; end
end

module M2
  include M1
  alias bar foo
end

class C
  include M1
  include M2
end

c = C.new
c_m1 = c.method(:foo)
c_m2 = c.method(:bar)

p c_m1.owner, c_m2.owner
```

□□

```
M1
M2
```

□□□□□□□□□□□□□□□□□□□Method#== □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□
□□owner □□□□□□□□□□□□□□□□□□□□□

alias □□□□□□□□□□□□□□□□□□□□□□□□□□□□□

History

#1 - 06/17/2015 03:12 PM - matz (Yukihiro Matsumoto)

□□□□□□□□□□□□□□□□□□
□□□□□□□□□□alias□□□□□□□□□□□□□□□□owner□□□□□□□□□□□□□□alias□□□□□□□□□□□□□□□□□□□□□□□□

Matz.

#2 - 10/21/2019 05:42 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed

This appears to be fixed starting in Ruby 2.3 (the first example returns false instead of true for equality as the owners of the methods are different), probably by 5e8a147480f87f19a8b96ad3fb33a25fb4bb19b9.