Status: Closed  
Priority: Normal  
Assignee: 

**Description**

Right now resolv cannot resolve IPv6 address to hostname in ruby 2.1

```
markov@cauth01:~$ ruby -v
ruby 2.1.6p336 (2015-04-13 revision 50298) [x86_64-linux-gnu]
```

```
markov@cauth01:~$ host 2a02:6b8::11
1.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.8.b.6.0.2.0.a.2.ip6.arpa domain name pointer yande
x.ru.```

```
markov@cauth01:~$ cat test.rb
#!/usr/bin/ruby
require 'resolv'
Resolv.getname('2a02:6b8::11')
```

```
markov@cauth01:~$ ./test.rb
/usr/lib/ruby/2.1.0/resolv.rb`128:in `getname': no name for 2a02:6b8::11 (Resolv::ResolvError)
   from /usr/lib/ruby/2.1.0/resolv.rb:64:in `getname'
   from ./test.rb:5:in `<main>'
```

This is because Resolv::IPv6#to_name (https://bugs.ruby-lang.org/projects/ruby-21/repository/entry/lib/resolv.rb#L2506) creates Resolv::DNS::Name with an array of strings, however other instances are created with an array of Resolv::Label::Str. This behaviour is fixed in commit https://bugs.ruby-lang.org/projects/ruby-trunk/repository/revisions/49095 where labels of Resolv::DNS::Name are normalized, but this commit is not backported to ruby 2.1

However backporting this https://bugs.ruby-lang.org/projects/ruby-21/repository/revisions/49775 introduced the issue

**Associated revisions**

**Revision Occd1b4 - 05/13/2015 05:33 AM - usa (Usaku NAKAMURA)**  
merge revision(s) 49095: [Backport #11144]  
  * lib/resolv.rb (Resolv::DNS::Label::Str#==): Check class equality.  
  (Resolv::DNS::Name#initialize): Normalize labels as  
  Resolv::DNS::Label::Str objects.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@50482 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 50482 - 05/13/2015 05:33 AM - usa (Usaku NAKAMURA)**  
merge revision(s) 49095: [Backport #11144]  
  * lib/resolv.rb (Resolv::DNS::Label::Str#==): Check class equality.  
  (Resolv::DNS::Name#initialize): Normalize labels as  
  Resolv::DNS::Label::Str objects.

**History**

#1 - 05/12/2015 06:45 PM - usa (Usaku NAKAMURA)

Thank you very much for your in-depth explanation, Nikolay!

mem: ruby_2_2 is also needed to fix this.
Applied in changeset r50482.

merge revision(s) 49095: [Backport #11144]

* lib/resolv.rb (Resolv::DNS::Label::Str==): Check class equality.
(Resolv::DNS::Name#initialize): Normalize labels as
Resolv::DNS::Label::Str objects.