Ruby master - Feature #11414
Relax ID table ordering
08/04/2015 07:21 AM - ko1 (Koichi Sasada)

Status: Closed
Priority: Normal
Assignee: ko1 (Koichi Sasada)
Target version:

Description
Can we relax ordering rule for ID table such as method table, ivar table, and so on?
I believe nobody care about method table ordering, ivar table ordering.

background
From Ruby 1.9, Hash objects have order (insertion order).
This change was introduced by changing st data structure.

In Ruby interpreter, st is also used by many purpose.
For example, there are many tables which have ID keys, for method tables, ivar tables and so on.

We can make special table to optimize such ID keys table.

funny_falcon already proposed new data structure.
https://bugs.ruby-lang.org/issues/6962

Before introducing this patch, please consider about ordering.

BTW, here is my implementation of special ID keys table used by method table.
https://github.com/ruby/ruby/compare/trunk...ko1:mtbl

I will make another ticket for implementation. But please consider about ordering.

We have one test depends on method table ordering.

{ 72/143] TestModule#test_method_added = 0.00 s
  1) Failure:
TestModule#test_method_added [....test/ruby/test_module.rb:1120]:
<[:f, :g, :a]> expected but was
<[:f, :a, :g]>.

Related issues:
Related to Ruby master - Feature #11420: Introduce ID key table into MRI

Associated revisions
Revision 91f20981 - 08/04/2015 07:41 AM - ko1 (Koichi Sasada)
  * test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@51482 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 51482 - 08/04/2015 07:41 AM - ko1 (Koichi Sasada)
  * test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]

Revision 51482 - 08/04/2015 07:41 AM - ko1 (Koichi Sasada)
  * test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]
test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]

Revision 51482 - 08/04/2015 07:41 AM - ko1 (Koichi Sasada)
- test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]

Revision 51482 - 08/04/2015 07:41 AM - ko1 (Koichi Sasada)
- test/ruby/test_module.rb: should not expect a method table ordering. [Feature #11414]

History
#1 - 08/04/2015 07:24 AM - matz (Yukihiro Matsumoto)
- Assignee changed from matz (Yukihiro Matsumoto) to ko1 (Koichi Sasada)

Ordering is not included in the specified behavior.
Matz.

#2 - 08/04/2015 07:42 AM - ko1 (Koichi Sasada)
- Status changed from Open to Closed

Applied in changeset r51482.

#3 - 08/06/2015 08:56 AM - ko1 (Koichi Sasada)
- Related to Feature #11420: Introduce ID key table into MRI added