# Ruby - 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 - Feature #11420: Introduce ID key table into MRI | **Closed** |

## Associated revisions

**Revision 91f209816f88288c6efacac783224bd3c9c56cd6 - 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 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

## 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.

---

- test/ruby/test_module.rb: should not expect a method table ordering.
  [Feature #11414]

**#3 - 08/06/2015 08:56 AM - ko1 (Koichi Sasada)**

*- Related to Feature #11420: Introduce ID key table into MRI added*