Case 1: If a method takes a single argument, and the method is called with a keyword splat, the method receives the passed object, not the result of calling #to_hash on the object:

```
# kw1.rb
def m(a) a end
o = Object.new
def o.to_hash() puts "to_hash"; { a: 1 } end
p m(**o)
```

$ ruby -v kw1.rb
ruby 2.1.2p95 (2014-05-08 revision 45877) [x86_64-darwin13.0]

```
to_hash
#<Object:0x007fdee188ab90>
```

Would someone please explain why the result of #to_hash in not passed to the method?

Case 2: If the method takes a keyword argument, #to_hash is called at the send site and at the receiver:

```
# kw2.rb
def mk(a:) a end
o = Object.new
def o.to_hash() puts "to_hash"; { a: 1 } end
p mk(**o)
```

$ ruby -v kw2.rb
ruby 2.1.2p95 (2014-05-08 revision 45877) [x86_64-darwin13.0]
to_hash
to_hash
1

Would someone please explain why #to_hash is called at both the send site and at the receiver?
vm.c: return the result hash

- vm.c (core_hash_merge_kwd): should return the result hash, which may be converted from and differ from the given argument.
  [ruby-core:62921] [Bug #9898]

Revision 46342 - 06/03/2014 07:08 PM - nobu (Nobuyoshi Nakada)
vm.c: return the result hash

- vm.c (core_hash_merge_kwd): should return the result hash, which may be converted from and differ from the given argument.
  [ruby-core:62921] [Bug #9898]

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  [ruby-core:62921] [Bug #9898]

History

#1 - 06/03/2014 07:07 PM - nobu (Nobuyoshi Nakada)
- Description updated
- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN to 2.0.0: DONTNEED, 2.1: REQUIRED

#2 - 06/03/2014 07:08 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset r46342.

vm.c: return the result hash

- vm.c (core_hash_merge_kwd): should return the result hash, which may be converted from and differ from the given argument.
  [ruby-core:62921] [Bug #9898]

#3 - 06/19/2014 03:04 AM - nobu (Nobuyoshi Nakada)
- Has duplicate Bug #9954: Unexpected Hash Modification and Segmentation Fault with Named Arguments added

#4 - 07/24/2014 11:51 AM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.0.0: DONTNEED, 2.1: REQUIRED to 2.0.0: DONTNEED, 2.1: DONE

Backported into ruby_2_1 at r46619.

#5 - 12/14/2017 07:23 AM - hsbt (Hiroshi SHIBATA)
- Related to Feature #14183: "Real" keyword argument added