

Ruby master - Feature #16992

Sets: officially ordered

06/26/2020 08:30 PM - marcandre (Marc-Andre Lafortune)

Status:	Open	
Priority:	Normal	
Assignee:	matz (Yukihiro Matsumoto)	
Target version:		
Description		
<p>Officially, set elements have uncertain order. This predates when Hash started being ordered (Ruby 1.9.0, Xmas 2007). Sets have since been de-facto insertion-ordered. FYI, in those 13 years, there have been about 70 commits to lib/set.rb.</p> <p>I have the impression that a non-negligible amount of code in the wild rely on sets being ordered, at least under most circumstances. I feel that this should be officialized.</p> <p>If sets are truly unordered, then why do we hesitate to make an optimization of & and : https://bugs.ruby-lang.org/issues/15281</p> <p>See also: https://bugs.ruby-lang.org/issues/14069</p>		
Related issues:		
Related to Ruby master - Feature #16989: Sets: need ♥ <input type="checkbox"/>		Assigned

History

#1 - 06/26/2020 08:47 PM - marcandre (Marc-Andre Lafortune)

- Related to Feature #16989: Sets: need ♥ added

#2 - 09/03/2020 02:08 PM - Eregon (Benoit Daloze)

+1 from me. Hash if officially ordered.
Making Set unordered would likely break many things.
In practice I would think many Set usages already assume it ordered.
Similar to what I said in <https://bugs.ruby-lang.org/issues/15281#note-9>

Having unordered elements does not feel Ruby-like, it introduces non-determinism in things as simple as #each.

If super high performance is wanted and being unordered helps, then using a separate class or external gem for that makes sense I think.