### Deprecate rb_gc_force_recycle

11/05/2021 02:01 PM - peterzhu2118 (Peter Zhu)

**Status:** Closed  
**Priority:** Normal  
**Assignee:**  
**Target version:**

**Description**

**GitHub PR:** [https://github.com/ruby/ruby/pull/4363](https://github.com/ruby/ruby/pull/4363)

I'm proposing to deprecate rb_gc_force_recycle and make it a no-op function because it is a burden to maintain and makes changes to the GC difficult. It is also easy to incorrectly use this function and cause memory leaks such as #18065.

### Associated revisions

**Revision aeeae628 - 11/08/2021 07:05 PM - peterzhu2118 (Peter Zhu)**

[Feature #18290] Remove all usages of rb_gc_force_recycle

This commit removes usages of rb_gc_force_recycle since it is a burden to maintain and makes changes to the GC difficult.

**Revision 30940648 - 11/08/2021 07:05 PM - peterzhu2118 (Peter Zhu)**

[Feature #18290] Deprecate rb_gc_force_recycle and remove invalidate_mark_stack_chunk

This commit deprecates rb_gc_force_recycle and converts it to a no-op function. Also removes invalidate_mark_stack_chunk since only rb_gc_force_recycle uses it.

**Revision 39d3d24a - 11/08/2021 08:39 PM - peterzhu2118 (Peter Zhu)**

[Feature #18290] Remove tests that test use of rb_gc_force_recycle

Remove tests that assume objects get force recycled.

**Revision e014c9d6 - 11/08/2021 09:41 PM - peterzhu2118 (Peter Zhu)**

[ci skip] Update NEWS.md for [Feature #18290]

### History

**#1 - 11/08/2021 07:06 PM - peterzhu2118 (Peter Zhu)**

- Status changed from Open to Closed

Applied in changeset git|aeae6e2842e1702dfb89b8ae69b48c4f5f64c662.

[Feature #18290] Remove all usages of rb_gc_force_recycle

This commit removes usages of rb_gc_force_recycle since it is a burden to maintain and makes changes to the GC difficult.