If you remove the `Warning#warn` method and call `Kernel#warn`, you get a segmentation fault:

```ruby
ruby 3.1.0:
$ ruby -e 'Warning.undef_method(:warn); warn ""' 2>&1 | head -2
<internal:warning>:51: [BUG] Segmentation fault at 0x0000000000000010
ruby 3.1.0p0 (2021-12-25 revision fb4df44d16) [x86_64-darwin21]
```

It's not new, you get the same with 3.0.3:

```ruby
$ ruby -e 'Warning.undef_method(:warn); warn ""' 2>&1 | head -2
<internal:warning>:51: [BUG] Segmentation fault at 0x0000000000000010
ruby 3.0.3p157 (2021-11-24 revision 3fb7d2cadc) [x86_64-darwin20]
```

In 2.7 though you get a `NoMethodError` exception:

```ruby
$ ruby --disable-all -e 'Warning.undef_method(:warn); warn ""' 2>&1 | head -2
Traceback (most recent call last):
  1: from -e:1 in `main'
<internal:warning>:43:in `warn': undefined method `warn' for Warning:Module (NoMethodError)
(I disabled gems because rubygems core extensions adds two lines of backtrace, but it's the same result in the end)```

Associated revisions

**Revision 9e0a91d0 - 01/04/2022 06:03 PM - jeremyevans (Jeremy Evans)**

Don't segfault if `Warning.warn` is undefined

Check that there is a method entry for the method before passing it to `rb_method_entry arity`.

Fixes [Bug #18458]

**Revision d3a2a3c5 - 01/30/2022 10:02 AM - naruse (Yui NARUSE)**

merge revision(s) 9e0a91d0640600f2dfd76c1d5fae6667019c9ca5: [Backport #18458]

Don't segfault if `Warning.warn` is undefined

Check that there is a method entry for the method before passing it to `rb_method_entry arity`.

Fixes [Bug #18458]

---

```
error.c | 3 ++-
test/ruby/test_exception.rb | 8 ++++---
2 files changed, 10 insertions(+), 1 deletion(-)
```
Don't segfault if Warning.warn is undefined

Check that there is a method entry for the method before passing it to rb_method_entry_arity.

Fixes [Bug #18458]

---
| error.c | 3 ++- |
| test/ruby/test_exception.rb | 8 ++++++ |
2 files changed, 10 insertions(+), 1 deletion(-)

History
---
1 - 01/04/2022 05:15 PM - jeremyevans0 (Jeremy Evans)
Pull requested submitted to fix this: https://github.com/ruby/ruby/pull/5391

2 - 01/04/2022 05:42 PM - jeremyevans0 (Jeremy Evans)
- Backport changed from 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN to 2.6: DONTNEED, 2.7: DONTNEED, 3.0: REQUIRED, 3.1: REQUIRED

3 - 01/04/2022 06:03 PM - jeremyevans (Jeremy Evans)
- Status changed from Open to Closed

Applied in changeset git|9e0a91d0640600f2dfd7fc1d5fae6667019c9ca5.

Don't segfault if Warning.warn is undefined

Check that there is a method entry for the method before passing it to rb_method_entry_arity.

Fixes [Bug #18458]

---
4 - 01/30/2022 10:06 AM - naruse (Yui NARUSE)
- Backport changed from 2.6: DONTNEED, 2.7: DONTNEED, 3.0: REQUIRED, 3.1: REQUIRED to 2.6: DONTNEED, 2.7: DONTNEED, 3.0: REQUIRED, 3.1: DONE

ruby_3_1 d3a2a3c5420fecedee54cbfbd9287bc6c5803 merged revision(s) 9e0a91d0640600f2dfd7fc1d5fae6667019c9ca5.

5 - 03/12/2022 07:57 AM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.6: DONTNEED, 2.7: DONTNEED, 3.0: REQUIRED, 3.1: DONE to 2.6: DONTNEED, 2.7: DONTNEED, 3.0: DONE, 3.1: DONE

ruby_3_0 e18e6af60476be481115c7340c1450332615b57 merged revision(s) 9e0a91d0640600f2dfd7fc1d5fae6667019c9ca5.