Bug #18637
Segmentation fault for yield inside another Thread
03/16/2022 12:28 PM - Eregon (Benoit Daloze)

Status: Closed
Priority: Normal
Assignee: 
Target version: ruby -v:
ruby 3.0.3p157 (2021-11-24 revision 3fb7d2cadc) [x86_64-linux]
Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN

Description
puts RUBY_DESCRIPTION
def execute
  Thread.new do
    yield 42
  end.join
end
p first: to_enum(:execute).first
(extracted from https://github.com/ruby-concurrency/concurrent-ruby/issues/931)

Output:
ruby 3.0.3p157 (2021-11-24 revision 3fb7d2cadc) [x86_64-linux]
#<Thread:0x0000000000c04c20 repro.rb:4 run> terminated with exception (report_on_exception is true ):
[BUG] Segmentation fault at 0x0000000000000018
ruby 3.0.3p157 (2021-11-24 revision 3fb7d2cadc) [x86_64-linux]

-- Control frame information -----------------------------------------------
c:0001 p:---- s:0003 e:000002 (none) [FINISH]

-- Machine register context ------------------------------------------------
RIP: 0x00007f8222df5e6 RBP: 0x0000000000000000 RSP: 0x00007f82111019a0
RAX: 0x00007f82224326e8 RBX: 0x00007f8211101a28 RCX: 0x0000000000001f01
RDX: 0x00007f8211101a28 RDI: 0x0000000000000000 RSI: 0x000000000000009b
R8: 0x0000000000000001 R9: 0x0000000000000040 R10: 0x00007f8221cfa188
R11: 0x0000000000000293 R12: 0x0000000000000000 R13: 0x000000000000009b
R14: 0x0000000000000100 R15: 0x000000000000010206

-- C level backtrace information --------------------------------------------
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0.rb_print_backtrace+0x11) [0x7f8222304a9c] vm_dump.c:758
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(rb_vm_bugreport) vm_dump.c:998
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(rb_bug_for_fatal_signal+0xf0) [0x7f8222210fbb0] error.c:786
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(sigsegv+0x49) [0x7f8222225c469] signal.c:963
/lib64/libc.so.6(_restore_rt+0x0) [0x7f82221d2350]
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(cached_callable_method_entry+0x0) [0x7f822222df5e6] vm_sync.h:41
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(callable_method_entry) vm_method.c:1144
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(vm_respond_to+0x3f) [0x7f822222e8bbf] vm_method.c:2490
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(check_funcall_response_to+0x17) [0x7f822222e8ebc] vm_eval.c:558
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(rb_check_funcall_default_kw) vm_eval.c:630
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(rb_check_funcall) vm_eval.c:621
/home/eregon/.rubies/ruby-3.0.3/lib/libruby.so.3.0(rb_get_message+0x14) [0x7f8222110284] error.c:188
zsh: IOT instruction (core dumped)  ruby repro.rb

Related issues:
Related to Ruby master - Bug #18474: 938e027c seems to have caused a regression in yield handling with concurrent-ruby added  
Is duplicate of Ruby master - Bug #18475: Yielding an element for Enumerator in another thread dumps core added

History
#1 - 03/16/2022 01:01 PM - Eregon (Benoit Daloze)
- Related to Bug #18474: 938e027c seems to have caused a regression in yield handling with concurrent-ruby added

#2 - 03/16/2022 01:04 PM - Eregon (Benoit Daloze)
- Related to Bug #18475: Yielding an element for Enumerator in another thread dumps core added

#3 - 03/16/2022 01:04 PM - Eregon (Benoit Daloze)
- Status changed from Open to Closed

Ah this seems a clear duplicate of #18475, sorry.

#4 - 03/16/2022 01:04 PM - Eregon (Benoit Daloze)
- Is duplicate of Bug #18475: Yielding an element for Enumerator in another thread dumps core added

#5 - 03/16/2022 01:05 PM - Eregon (Benoit Daloze)
- Related to deleted (Bug #18475: Yielding an element for Enumerator in another thread dumps core)