

Ruby - Bug #20743

ruby doesn't properly split RUBY_DEBUG_LOG_FILTER into items

09/15/2024 05:58 PM - x-yuri (Yuri Kanivetsky)

Status:	Assigned	
Priority:	Normal	
Assignee:	ko1 (Koichi Sasada)	
Target version:		
ruby -v:	ruby 3.4.0dev (2024-09-15T01:06:11Z master 532af89e3b) +PRISM [x86_64-linux-musl]	Backport: 3.1: UNKNOWN, 3.2: UNKNOWN, 3.3: UNKNOWN

Description

```
$ docker run --rm alpine:3.20.3 sh -euxc '
  apk add git build-base autoconf ruby yaml-dev zlib-dev openssl-dev libffi-dev
  git clone https://github.com/ruby/ruby
  cd ruby
  git checkout 532af89e3b5b78dd3a6fe29c6cc64ad1b073afe2
  ./autogen.sh
  ./configure cflags=-DUSE_RUBY_DEBUG_LOG --disable-install-doc
  make -j8 install
  ruby -v
  RUBY_DEBUG_LOG=stderr RUBY_DEBUG_LOG_FILTER=rb_thread_schedule_limits,rb_ractor_thread_switch
ruby -e ""
'
...
+ RUBY_DEBUG_LOG=stderr RUBY_DEBUG_LOG_FILTER=rb_thread_schedule_limits,rb_ractor_thread_switch ru
by -e
RUBY_DEBUG_LOG=stderr [stderr]

RUBY_DEBUG_LOG_FILTER[0]=rb_thread_schedule_limit (all)

RUBY_DEBUG_LOG_FILTER[1]=rb_ractor_thread_switch (all)
...
```

As you can see ruby reports that RUBY_DEBUG_LOG_FILTER[0] equals rb_thread_schedule_limit, not rb_thread_schedule_limits.

This happens because here:
<https://github.com/ruby/ruby/blob/532af89e3b5b78dd3a6fe29c6cc64ad1b073afe2/debug.c#L353>
1 should not be subtracted.

Also in the following lines str is increased, but len is not decreased. It makes sense to recheck if there are no further mistakes.

History

- #1 - 09/15/2024 06:07 PM - x-yuri (Yuri Kanivetsky)
Apparently introduced in the following commit:
<https://github.com/ruby/ruby/commit/5a4f997b2e8e819ed40731cd769826112072a9d4#diff-1cae4f3b0e13ea38a331366fa5370f5648b2c37090a19e8fba9b8e921c36f505R369>
- #2 - 10/17/2024 03:08 AM - hsbt (Hiroshi SHIBATA)
- Tags set to musl, alpine
- #3 - 11/05/2024 06:45 AM - ko1 (Koichi Sasada)
- Assignee set to ko1 (Koichi Sasada)
- #4 - 11/13/2024 05:16 AM - hsbt (Hiroshi SHIBATA)
- Status changed from Open to Assigned
- #5 - 01/28/2025 12:42 AM - nobu (Nobuyoshi Nakada)
<https://github.com/ruby/ruby/pull/12642>