The following code should trap exception correctly (should output "-ok"): 

```ruby
####
def m
  a = 1
  b = 2
  c = 3
  raise
end

trace = TracePoint.new{|tp|
  p tp
  raise # if tp.event == :c_return # if tp.event == :b_return
}

begin
  trace.enable{
    m
  }
rescue => e
  p :ok
end
####
```

But it outputs same event hook infinite:

```ruby
TracePoint:b_call@/home/ko1/src/ruby/trunk/test.rb:15
TracePoint:b_return@/home/ko1/src/ruby/trunk/test.rb:15
...
```

It is a bug.

This patch solve this issue:

```
Index: vm_trace.c
--- vm_trace.c (revision 38718)
+++ vm_trace.c (working copy)
@@ -316,7 +316,12 @@ rb_threadptr_exec_event_hooks_orig(rb_tr
   th->vm->trace_running--;
   if (state) {
     if (pop_p) th->cfp = RUBY_VM_PREVIOUS_CONTROL_FRAME(th->cfp);
-    if (pop_p) {
-      if (VM_FRAME_TYPE_FINISH_P(th->cfp)) {
-        th->tag = th->tag->prev;
+    if (pop_p) {
+      if (VM_FRAME_TYPE_FINISH_P(th->cfp)) {
+        th->tag = th->tag->prev;
  ```
th->cfp = RUBY_VM_PREVIOUS_CONTROL_FRAME(th->cfp);

TH_JUMP_TAG(th, state); th->state = outer_state;

Output:
# TracePoint:b_call@../trunk/test.rb:15
# TracePoint:b_return@../trunk/test.rb:15
:ok

Associated revisions
Revision b8e6fd6f - 01/07/2013 06:24 AM - ko1 (Koichi Sasada)

  • vm_trace.c (rb_threadptr_exec_event_hooks_orig): pop tag before JUMP_TAG() if frame is 'finish' frame. Without this patch, there is an inconsistency between control frame stack and tags stack. [Bug #7668]
  • test/ruby/test_settracefunc.rb: add a test for above.

  git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38721 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38721 - 01/07/2013 06:24 AM - ko1 (Koichi Sasada)

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History
#1 - 01/07/2013 03:24 PM - ko1 (Koichi Sasada)
  - Status changed from Assigned to Closed
  - % Done changed from 0 to 100

This issue was solved with changeset r38721.
Koichi, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.
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