

# DEBUGGING IN RUBY

**IDE => puts => ... ?**

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9/9

0800 Action started

1000 " stopped - anctam ✓

13" VC (032) MP - MC

(033) PRO 2

concl

Relays 6-2 in 033 failed special speed test  
in Relay " 10,000 test.

Relays changed

1100 Started Cosine Tape (Sine check)

1525 Started Mult + Adder Test.

1545

Relay #70 Panel F  
(moth) in relay.

First actual case of bug being found.  
Incident started.

~~7/13~~ 1/30 Antangent started.

1700 closed down.

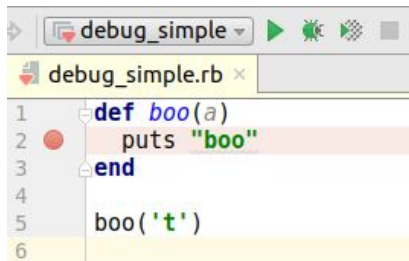
Relay 2145  
Relay 3370

Courtesy of the Naval Surface Warfare Center, Dahlgren, VA., 1988.

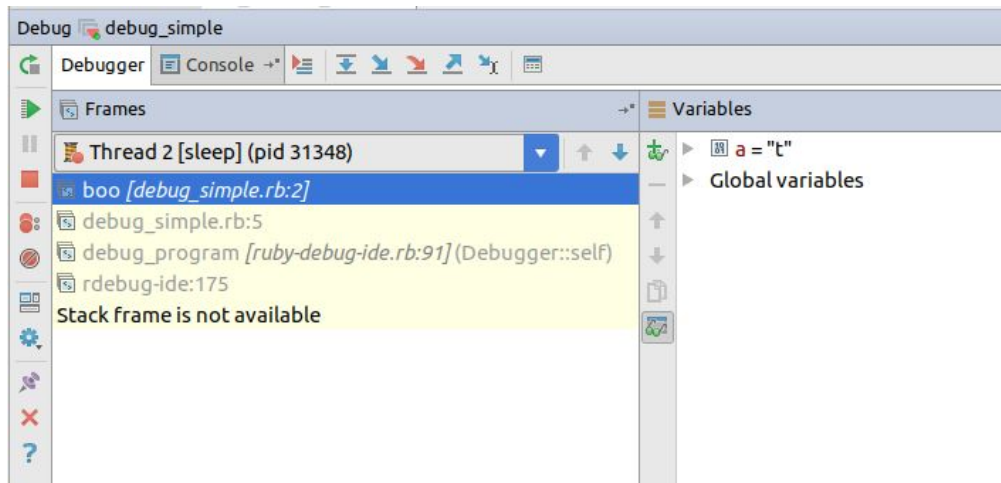
(<https://commons.wikimedia.org/wiki/File:H96566k.jpg>), „H96566k“, marked as public domain, more details on Wikimedia Commons:

<https://commons.wikimedia.org/wiki/Template:PD-US>

# IDE (RUBYMINE )



```
1 def boo(a)
2   puts "boo"
3 end
4
5 boo('t')
6
```



Debug debug\_simple

Debugger Console →

Frames → Variables

Thread 2 [sleep] (pid 31348)

boo [debug\_simple.rb:2]

debug\_simple.rb:5

debug\_program [ruby-debug-ide.rb:91] (Debugger::self)

rdebug-ide:175


Stack frame is not available

Global variables

a = "t"


# IDE (RUBYMINE )


 Indexing...  


 2 processes running...

Some actions may not work as expected if you start a Run/debug configuration while indexing is in progress.

5: Debug

 6: TODO

 Terminal

 9: Version Control

# PUTS

```
1 def boo(a)
2   puts a.inspect <-
3 end
4
5 puts 'Boo - before'
6 boo('t')
7 puts 'Boo - after'
8
```

```
1 def boo(a)
2   p a
3 end
```

# IRB (+PRY)

```
1 def boo(a)
2   require 'irb'; binding.irb
3   puts "boo"
4 end
5
6 boo('t')
```

# TRACER

```
# ruby -rtracer trace_simple.rb

#0:/home_REMOVED_lib/rubygems/core_ext/kernel_require.rb:54:Kernel:<:      return gem_original_require(path)
#0:trace_simple.rb:1::-: def boo
#0:trace_simple.rb:4::-: boo
#0:trace_simple.rb:1:Object:>: def boo
#0:trace_simple.rb:2:Object:-:   puts "boo"
boo
#0:trace_simple.rb:3:Object:<: end
```

```
# ruby trace_add_tracer.rb

#0:trace_add_tracer.rb:7::-: Tracer.on { boo }
#0:trace_add_tracer.rb:3:Object:>: def boo
#0:trace_add_tracer.rb:4:Object:-:   puts "boo"
boo
#0:trace_add_tracer.rb:5:Object:<: end
```

# DEBUG[GER] (+BYEBUG)

```
# ruby debug_add_debug.rb  
-  
debug_add_debug.rb:3: puts "boo"  
- (rdb:1) p a  
- "t"  
- (rdb:1) list -5,5  
- [0, 5] in debug_add_debug.rb  
-   1 def boo(a)  
-   2   require 'debug'  
=> 3   puts "boo"  
-   4 end  
-   5  
- (rdb:1) c  
- boo  
- t
```



...?



IDE



PUTS,P



IRB (PRY AND BYEBUG)



DEBUG(GER)

... "JUST FORCE DEBUG[GER] TO CONTINUE INSTEAD OF  
STOPPING AND STOP SOMEWHERE INSTEAD OF CONTINUING" ...



BYEBUG

--no-stop

.byebugrc [~/, \$PWD/]

# MY\_BUG.BASH

```
#!/bin/bash
file=${1%:*}
break_point=$1
echo "break ${break_point}" > .byebugrc
byebug --no-stop ${file}
if [ -f .byebugrc ]; then
    rm .byebugrc
fi
```

```
execute "!my_bug.bash " .shellescape(expand('%'), 1).":".shellescape(line('.'), 1)
```

=)K



@otaznik\_net



[https://github.com/otaznik-net/debug\\_rb](https://github.com/otaznik-net/debug_rb)