

Ruby - Feature #19076

Improve performance Proc#parameters

10/22/2022 02:44 PM - S_H_ (Shun Hiraoka)

Status:Closed Priority:Normal Assignee: Target version:																												
Description Improve performance Proc#parameters method(write in Ruby) benchmark: <pre>prelude: prc = proc{ x, y=42, *other } lam = lambda{ x, y=42, *other } benchmark: proc_no_kwarg: prc.parameters proc_given_kwarg: prc.parameters(lambda: false) lambda_no_kwarg: prc.parameters lambda_given_kwarg: prc.parameters(lambda: false) loop_count: 20000000</pre> result: <pre>sh@DESKTOP-L0NI312:~/rubydev/build\$ make benchmark/benchmark.yml -e BENCH_RUBY= ../install/bin/ruby -e COMPARE_RUBY=~/.rbenv/shims/ruby ../ruby/revision.h unchanged compare-ruby: ruby 3.2.0dev (2022-10-22T10:34:00Z master 8dfe3bdf48) [x86_64-linux] built-ruby: ruby 3.2.0dev (2022-10-22T10:34:00Z improve_prom_param.. 8dfe3bdf48) [x86_64-linux] # Iteration per second (i/s)</pre> <table><tr><th></th><th>compare-ruby</th><th>built-ruby</th></tr><tr><td>proc_no_kwarg</td><td>4.559M</td><td>3.944M</td></tr><tr><td></td><td>1.16x</td><td>-</td></tr><tr><td>proc_given_kwarg</td><td>2.885M</td><td>3.652M</td></tr><tr><td></td><td>-</td><td>1.27x</td></tr><tr><td>lambda_no_kwarg</td><td>4.732M</td><td>3.800M</td></tr><tr><td></td><td>1.25x</td><td>-</td></tr><tr><td>lambda_given_kwarg</td><td>2.858M</td><td>3.603M</td></tr><tr><td></td><td>-</td><td>1.26x</td></tr></table> COMPARE_RUBY is ruby 3.2.0dev (2022-10-22T10:34:00Z master 8dfe3bdf48) [x86_64-linux]. BENCH_RUBY is ahead of ruby 3.2.0dev (2022-10-22T10:34:00Z master 8dfe3bdf48) [x86_64-linux]. pull request: https://github.com/ruby/ruby/pull/6617			compare-ruby	built-ruby	proc_no_kwarg	4.559M	3.944M		1.16x	-	proc_given_kwarg	2.885M	3.652M		-	1.27x	lambda_no_kwarg	4.732M	3.800M		1.25x	-	lambda_given_kwarg	2.858M	3.603M		-	1.26x
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History

- #1 - 10/22/2022 02:47 PM - S_H_ (Shun Hiraoka)
- Subject changed from Improve performance `Proc#parameters` to Improve performance Proc#parameters
- #2 - 10/22/2022 02:49 PM - S_H_ (Shun Hiraoka)
- Description updated
- #3 - 10/22/2022 10:10 PM - jeremyevans0 (Jeremy Evans)

If I'm reading the benchmark results correctly, this is slower in the case that the keyword argument is not provided. Is that correct? If so, I don't think we should do this, because it is far more common to not provide a keyword argument when calling these methods.

#4 - 10/23/2022 05:58 AM - S_H_ (Shun Hiraoka)

Sorry, I checked benchmark and it seems to always be slower then don't pass keyword arguments

Therefore, you may close this ticket.

#5 - 10/23/2022 09:20 PM - jeremyevans0 (Jeremy Evans)

- *Status changed from Open to Closed*