

Ruby master - Feature #6972

opt_empty

09/03/2012 11:24 PM - Glass_saga (Masaki Matsushita)

Status:	Closed
Priority:	Normal
Assignee:	ko1 (Koichi Sasada)
Target version:	

Description

```
YARV
opt_empty
opt_empty recv.empty?
opt_size opt_length
String Array Hash
```

```
opt_empty
```

```
require 'benchmark'
```

```
Ary = []
Times = 10_000_000
```

```
Benchmark.bm do |x|
  x.report do
    Times.times { Ary.empty? }
  end
end
```

```
trunk(r36890):
user system total real
1.070000 0.000000 1.070000 ( 1.086783)
```

```
proposed:
user system total real
0.730000 0.000000 0.730000 ( 0.745782)
```

```
1.46
```

```
1.46
trunk r36890 compile.c 1874 (iseq_specialized_instruction() opt_size)
opt_size Ary.empty? Ary.size
```

```
opt_size:
user system total real
1.060000 0.000000 1.060000 ( 1.061210)
```

```
:
user system total real
0.750000 0.000000 0.750000 ( 0.765943)
```

```
opt_empty
```

```
recv.empty? (empty or empty)
```

Associated revisions

Revision 1bebb22c - 09/26/2012 09:34 AM - ko1 (Koichi Sasada)

- insns.def: add new instruction opt_empty_p' for optimizeempty?' method. Apply a patch proposed at [ruby-dev:46120] [ruby-trunk - Feature #6972] by Glass_saga (Masaki Matsushita).
- compile.c (iseq_specialized_instruction), vm.c, vm_insnhelper.h: ditto.
- id.c, template/id.h.tmpl: ditto.
- test/ruby/test_optimization.rb: test for this changes.

Author: Glass_saga (Masaki Matsushita)
Status: Open
Priority: Normal
Assignee: ko1 (Koichi Sasada)
Category: YARV
Target version:

```
YARV::opt_empty  
opt_empty::recv.empty?::opt_size::opt_length::String::Array::Hash
```

```
opt_empty
```

```
require 'benchmark'
```

```
Ary = []  
Times = 10_000_000
```

```
Benchmark.bm do |x|  
  x.report do  
    Times.times { Ary.empty? }  
  end  
end
```

```
trunk(r36890):  
user system total real  
1.070000 0.000000 1.070000 ( 1.086783)
```

```
proposed:  
user system total real  
0.730000 0.000000 0.730000 ( 0.745782)
```

```
1.46
```

```
1.46  
trunk(r36890) compile.c 1874 (iseq_specialized_instruction) opt_size  
opt_size Ary.empty? Ary.size
```

```
opt_size:  
user system total real  
1.060000 0.000000 1.060000 ( 1.061210)
```

```
:  
user system total real  
0.750000 0.000000 0.750000 ( 0.765943)
```

```
opt_empty
```

```
recv.empty? (empty or empty)
```

--
// SASADA Koichi at atdot dot net

#2 - 09/05/2012 10:07 PM - Glass_saga (Masaki Matsushita)

- File patch2.diff added

```
opt_empty_p (idEmpty BOP_EMPTY)
```

#3 - 09/26/2012 06:34 PM - ko1 (Koichi Sasada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r37036.
Masaki, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- insns.def: add new instruction opt_empty_p' for optimizeempty?' method. Apply a patch proposed at [ruby-dev:46120] [ruby-trunk - Feature

#6972] by Glass_saga (Masaki Matsushita).

- compile.c (iseq_specialized_instruction), vm.c, vm_inshelper.h: ditto.
- id.c, template/id.h.templ: ditto.
- test/ruby/test_optimization.rb: test for this changes.

#4 - 09/26/2012 06:53 PM - ko1 (Koichi Sasada)

000000000000
000000000000

(2012/09/05 22:07), Glass_saga (Masaki Matsushita) wrote:

Issue #6972 has been updated by Glass_saga (Masaki Matsushita).

File patch2.diff added

opt_empty_p (idEmpty BOP_EMPTY) 000000000000
0000

Feature #6972: opt_empty
<https://bugs.ruby-lang.org/issues/6972#change-29190>

Author: Glass_saga (Masaki Matsushita)
Status: Open
Priority: Normal
Assignee: ko1 (Koichi Sasada)
Category: YARV
Target version:

YARV opt_empty
opt_empty recv.empty? opt_size opt_length String Array Hash

opt_empty

require 'benchmark'

Ary = []
Times = 10_000_000

Benchmark.bm do |x|
x.report do
Times.times { Ary.empty? }
end
end

trunk(r36890):
user system total real
1.070000 0.000000 1.070000 (1.086783)

proposed:
user system total real
0.730000 0.000000 0.730000 (0.745782)

1.46

1.46
trunk r36890 compile.c 1874 (iseq_specialized_instruction) opt_size
opt_size Ary.empty? Ary.size

opt_size:
user system total real
1.060000 0.000000 1.060000 (1.061210)

opt_size:
user system total real
0.750000 0.000000 0.750000 (0.765943)

opt_empty

recv.empty? empty or empty

--
// SASADA Koichi at atdot dot net

#5 - 09/26/2012 09:18 PM - Glass_saga (Masaki Matsushita)

□□□□□□□□□□

Files

patch.diff	2.35 KB	09/03/2012	Glass_saga (Masaki Matsushita)
patch2.diff	3.86 KB	09/05/2012	Glass_saga (Masaki Matsushita)