**Refinement inheritance by Module#include**

06/27/2013 06:19 PM - shugo (Shugo Maeda)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>shugo (Shugo Maeda)</td>
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<td>Target version:</td>
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**Description**

Currently, refinements are not inherited by Module#include. How about to make using to activate refinements in the ancestors of the specified module?

For example,

```ruby
module A
define X do ... end
define Y do ... end
end
module B
define Z do ... end
end
module C
include A
include B
end
using C
```

**Refinements in A and B are activated here.**

In this code,

```ruby
using C
```

is equivalent to

```ruby
C.ancestors.reverse_each { |m| using m }
```

This feature enables you to distribute refinements into different modules, and then package the refinements into one module.

Please note that Module#include doesn't activate refinements in the argument module.

For example,

```ruby
module C
include A
include B

# Refinements in A and B are not activated here.
end
```

I've implemented this feature, and have attached the patch.

**Associated revisions**

Revision 72d3e2b1 - 07/01/2013 03:57 AM - shugo (Shugo Maeda)

- eval.c (rb_using_module): activate refinements in the ancestors of the argument module to support refinement inheritance by
Module#include. [ruby-core:55671] [Feature #8571]

- test/ruby/test_refinement.rb: related test.

Revision 41719 - 07/01/2013 03:57 AM - shugo (Shugo Maeda)

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History

#1 - 07/01/2013 07:10 AM - matz (Yukihiro Matsumoto)
- Assignee changed from matz (Yukihiro Matsumoto) to shugo (Shugo Maeda)

Agreed. It also conforms the original design.
Matz.

#2 - 07/01/2013 01:29 PM - shugo (Shugo Maeda)
- Status changed from Assigned to Closed

matz (Yukihiro Matsumoto) wrote:

Agreed. It also conforms the original design.

I've committed in r41719. Thanks.

#3 - 12/23/2021 11:41 PM - hsbt (Hiroshi SHIBATA)
- Project changed from 14 to Ruby master