

Ruby trunk - Feature #12543

explicit tail call syntax: foo() then return

07/02/2016 05:24 PM - mame (Yusuke Endoh)

Status: Closed	
Priority: Normal	
Assignee: matz (Yukihiro Matsumoto)	
Target version:	
Description	
How about introducing a new syntax for tail call?	
<pre>def foo() foo() end foo() #=> stack level too deep def bar() bar() then return end bar() #=> infinite loop</pre>	
<ul style="list-style-type: none">• no new keyword (cf. goto foo())• no conflict with any existing syntax• an experimental patch is available (attached)• no shift/reduce nor reduce/reduce conflict in parse.y	
-- Yusuke Endoh mame@ruby-lang.org	
Related issues:	
Related to Ruby trunk - Feature #6602: Tail call optimization: enable by defa...	Feedback

History

#1 - 07/02/2016 05:24 PM - mame (Yusuke Endoh)

- Subject changed from explicit tal call syntax: foo() then return to explicit tail call syntax: foo() then return

#2 - 07/02/2016 05:25 PM - mame (Yusuke Endoh)

- Related to Feature #6602: Tail call optimization: enable by default? added

#3 - 07/19/2016 06:53 AM - ko1 (Koichi Sasada)

mame-san:

Do you have use-cases?

#4 - 07/19/2016 09:10 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

I am not positive. This may not work under tracing. I am for adding tail-call optimization, but Koichi do not love the idea either.

Matz.

Files

then_return.patch

9.18 KB

07/02/2016

mame (Yusuke Endoh)