

## Re: Grammatical Recursion

**Source:** <http://sci.tech-archive.net/Archive/sci.lang/2004-12/3403.html>

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On 2004-12-18, Lee Sau Dan <danlee@informatik.uni-freiburg.de> wrote:

>>>>> *"Jacques" == Jacques Guy <jguy@alphalink.com.au> writes:*

>

> *Jacques> Lee Sau Dan wrote:*

> >> *Sigh... you confuse iteration with recursion...*

>

> *Jacques> No I don't. I have made it clear that any recursive*

> *Jacques> function can be rewritten as an iteration.*

>

> *If you haven't mixed up the two, then you MUST be wrong. There are*

> *languages that can be generated by a recursive grammar, but not an*

> *iterative one.*

What is an "iterative grammar"?

Regardless, any algorithm using recursion can be converted in one using iteration, with the help of using an explicit stack, if necessary.

Regards,

Florian