Implementation of true iterators (section 9.5.3)

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Iterator objects (Euclid, C++, Java)

=====================================================================

block as lambda expression (Ruby, functional languages)

implicit iterator object

coroutines or threads

Ruby:

detail:

Then you can say, e.g.

can have multiple methods that each return an

and has an iterator

[ ]

Current

This is syntactic sugar for

when the iterator returns, the loop terminates

iterator itself looks like a procedure, except it can include

Note the different conceptual model:

just a convention), because C++ individually type

The

C++ version looks like

and

Supported in Euclid and Java with special loop syntax, and

Standard interface for abstraction to drive for loops.

In Java:

operator overload mechanisms.

There's also more conventional

method as a parameter.

Here the (parameterized) brace

sum

[ 1, 2, 3 ].each { |

sum = 0

for

sum

...}

foreach (object o in

foreach (foo o in
