Scheme

Announcements

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- "The greatest single programming language ever designed."

  –Alan Kay, co-inventor of Smalltalk and OOP (from the user interface video)

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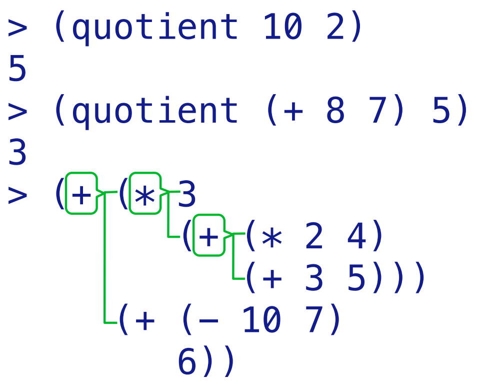

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(Demo)

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Scheme Interpreters

(Demo)

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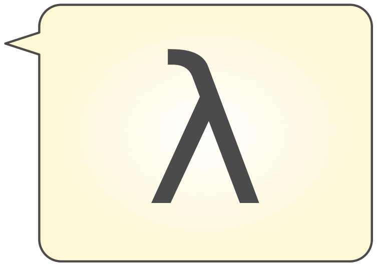

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More Special Forms

Cond & Begin

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if x > 10:
    print('big')
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    print('small')
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Cond & Begin

The cond special form that behaves like if-elif-else statements in Python

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elif x > 5:
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      (else     (print 'small)))
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    print('fry')
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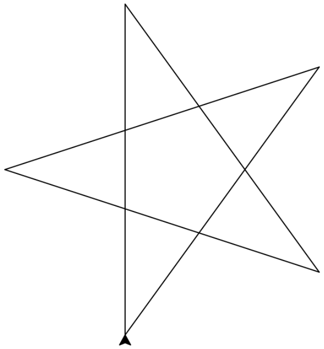
a and b are ***not*** *bound down here*

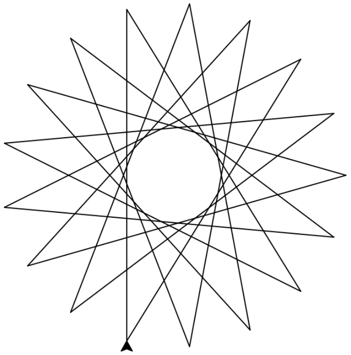
Turtle Graphics

Drawing Stars

(forward 100) or (fd 100) draws a line

(right 90) or (rt 90) turns 90 degrees





(Demo)

Sierpinski's Triangle

(Demo)