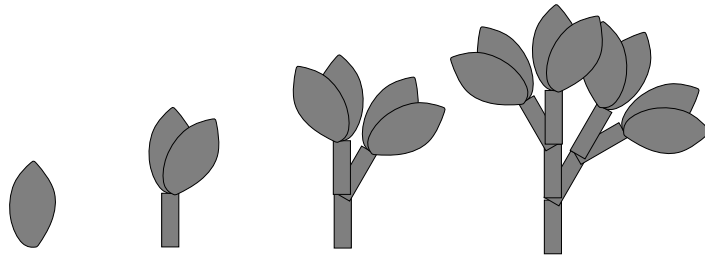


L-Systems Examples

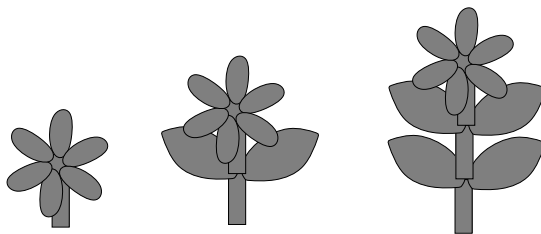


Axiom: A

$A \rightarrow F[-A]B$
 $B \rightarrow F[+B]A$

Other ideas:

Make the trunk thicker than the side branches.
 Main branches leave the trunk at a larger angle than
 branches leave other branches
 Branches turning upwards leave other branches at a
 larger angle than branches turning downwards

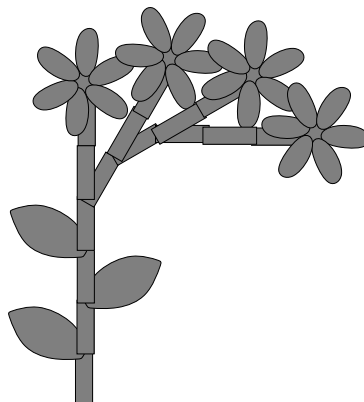
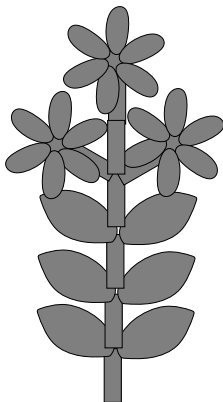


Axiom: a(n)

$i > 1: a(i) \rightarrow F[+L][-L]a(i-1)$
 $i = 1: a(i) \rightarrow FB$

Other ideas:

Make the lower leaves slightly larger.
 Allow one or two branches near the bottom.



Axiom: a(n)

$i > 2: a(i) \rightarrow F[+L][-L]a(i-1)$
 $i = 2: a(i) \rightarrow F[+FB][-FB]a(i-1)$
 $i = 1: a(i) \rightarrow FFB$

Axiom: a(n)

$i > 4, \text{ even: } a(i) \rightarrow F[-L]a(i-1)$
 $i > 4, \text{ odd: } a(i) \rightarrow F[+L]a(i-1)$
 $i > 1, i < 4: a(i) \rightarrow F[-a(i-1)]FFB$
 $i = 1: a(i) \rightarrow FFB$