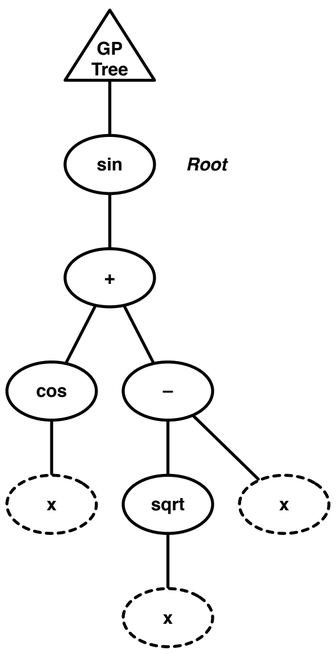
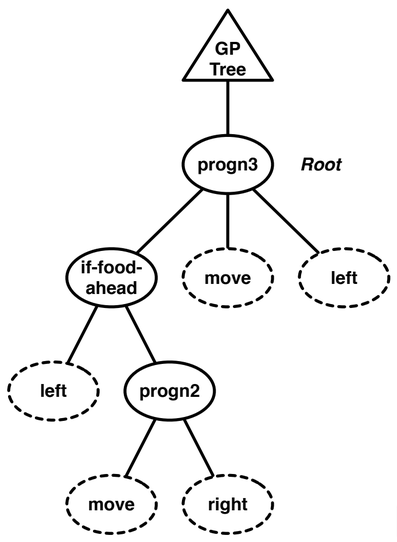
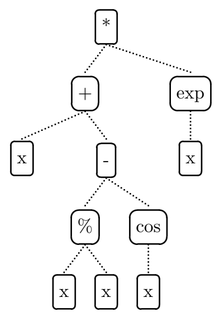
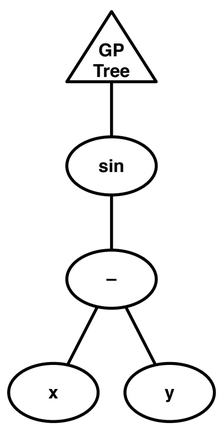
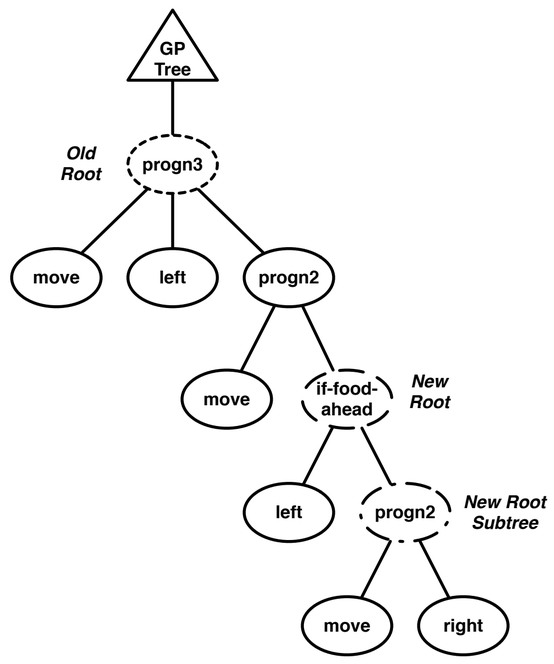
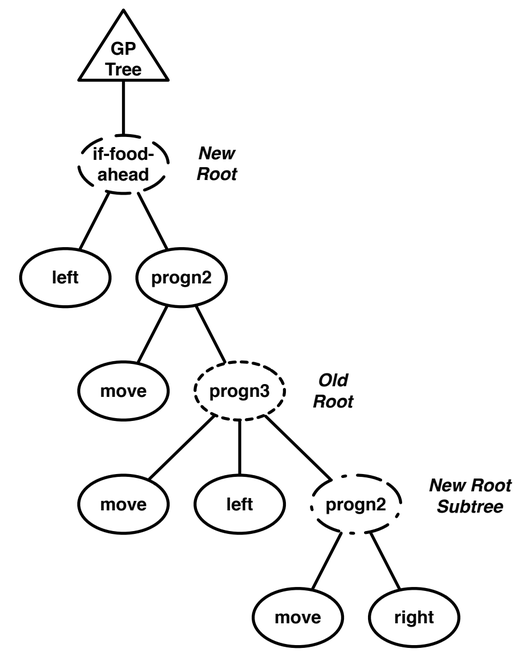

GP Tree
sin
Root
+
cos
–
x
sqrt
x
x

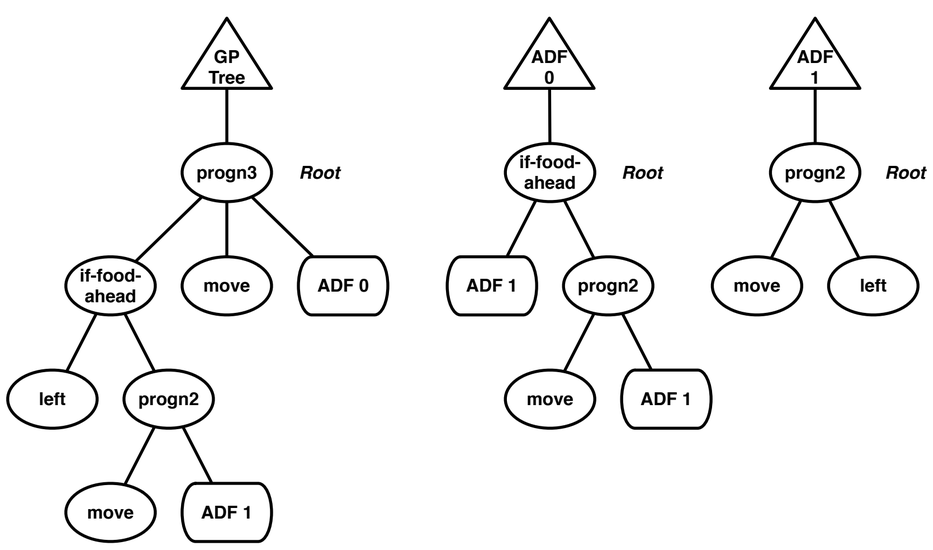

GP Tree
progn3
Root
if-food-ahead
move
left
left
progn2
move
right

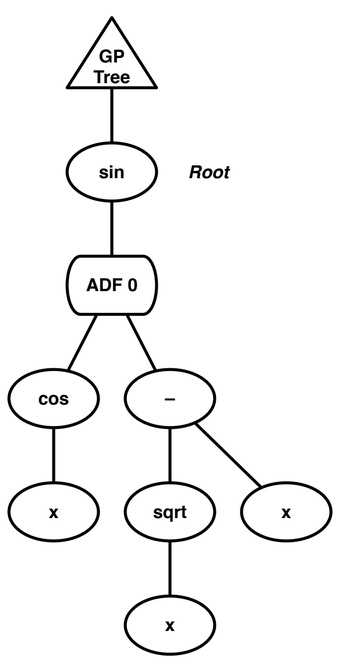

*
+
exp
x
-
x
%
cos
x
x
x

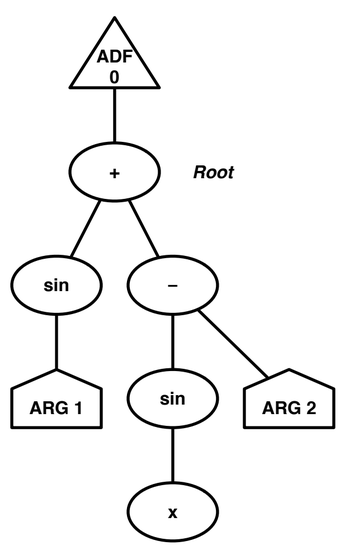

GP Tree
sin
–
x
y

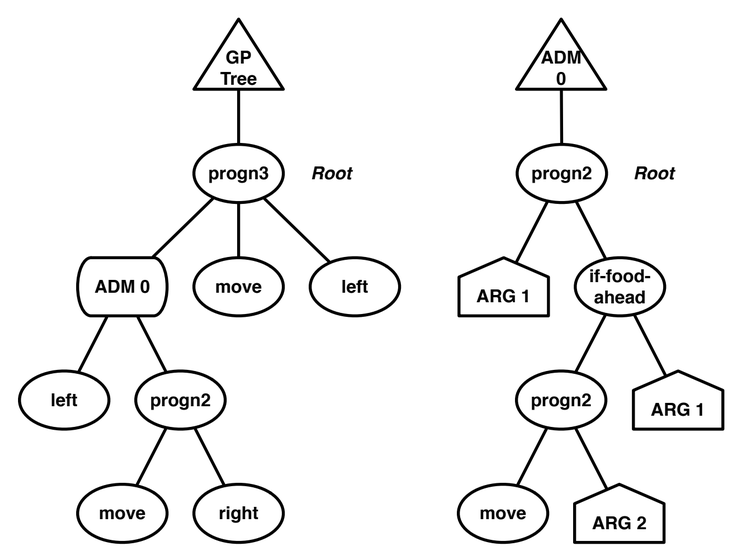

GP Tree
Old Root
progn3
move
left
progn2
move
if-food-ahead
New Root
left
progn2
New Root Subtree
move
right


GP Tree
if-food-ahead
New Root
left
progn2
move
progn3
Old Root
move
left
progn2
New Root Subtree
move
right


GP Tree
progn3
Root
if-food-ahead
move
ADF 0
left
progn2
move
ADF 1
ADF 0
if-food-ahead
Root
ADF 1
progn2
move
ADF 1
ADF 1
progn2
Root
move
left


GP Tree
sin
Root
ADF 0
cos
–
x
sqrt
x
x


ADF 0
+
Root
sin
–
ARG 1
sin
ARG 2
x


GP Tree
progn3
Root
ADM 0
move
left
left
progn2
move
right
ADM 0
progn2
Root
ARG 1
if-food-ahead
progn2
ARG 1
move
ARG 2