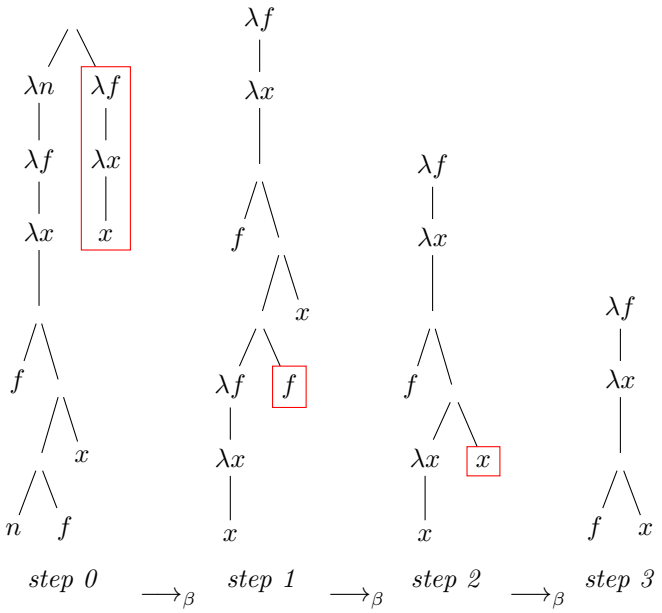
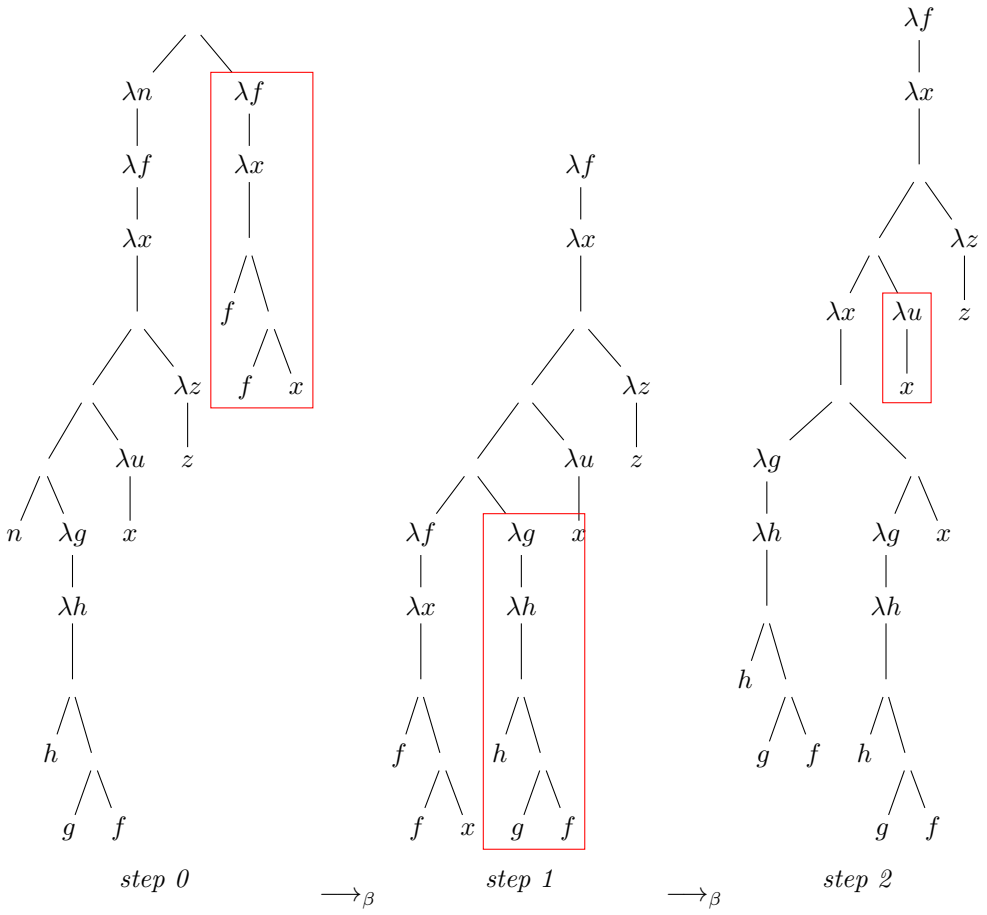
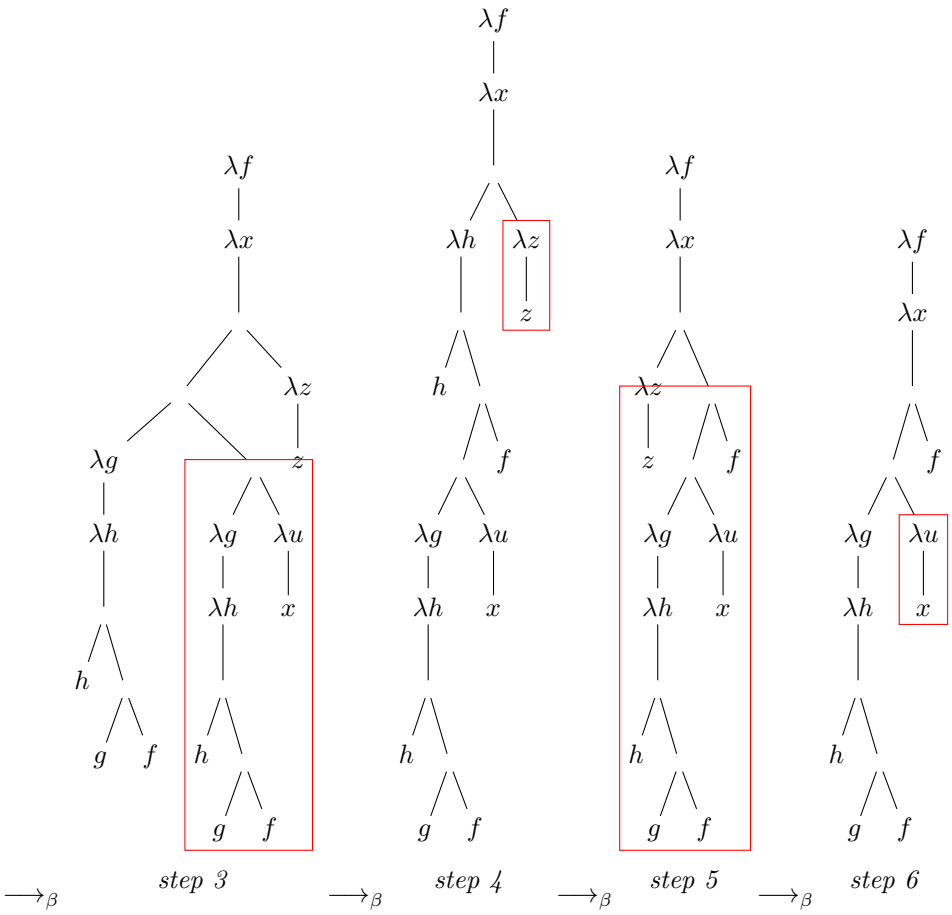
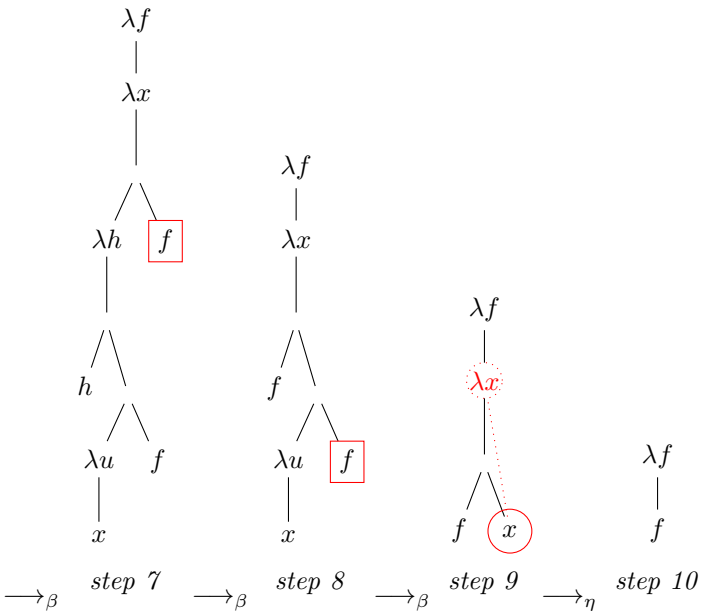
succ 0 :


λn
λf
λx
f
x
n
f
λf
λx
x
λf
λx
f
x
λf
f
λx
x
λf
λx
f
λx
x
x
λf
λx
f
x
step 0
→β
step 1
→β
step 2
→β
step 3

pred 2 :


λn
λf
λf
λx
λx
f
λz
f
x
λu
z
n
λg
x
λh
h
g
f
step 0
→β
λf
λx
λz
λu
z
λf
λg
x
λx
λh
f
h
f
x
g
f
step 1
→β
λf
λx
λz
λx
λu
z
x
λg
λh
λg
x
h
λh
g
f
h
g
f
step 2


λf
λx
λg
λz
λh
z
λg
λu
h
λh
x
g
f
h
g
f
step 3
step 4
step 5
step 6


λf
λx
λh
f
h
λu
f
x
step 7
λf
λx
f
λu
f
x
step 8
λf
λx
f
x
step 9
λf
f
step 10