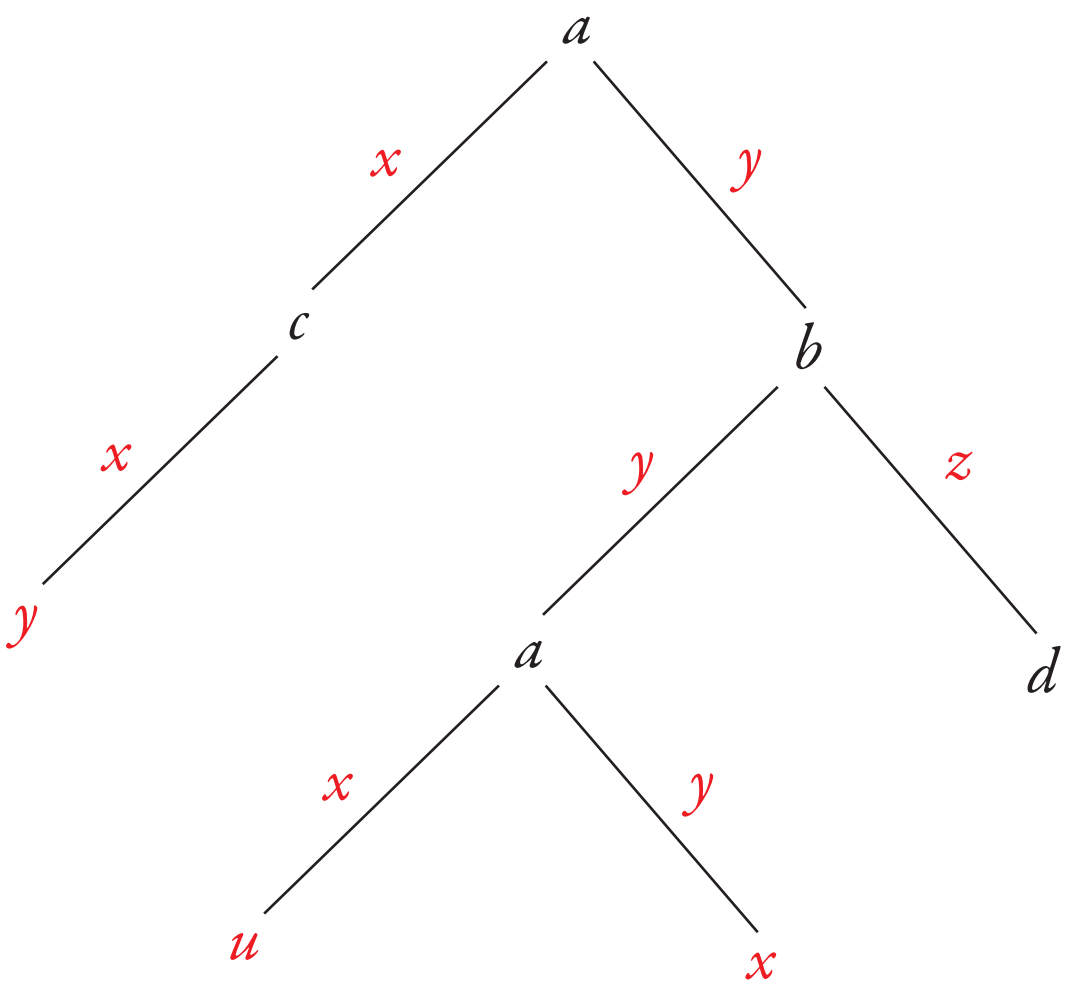
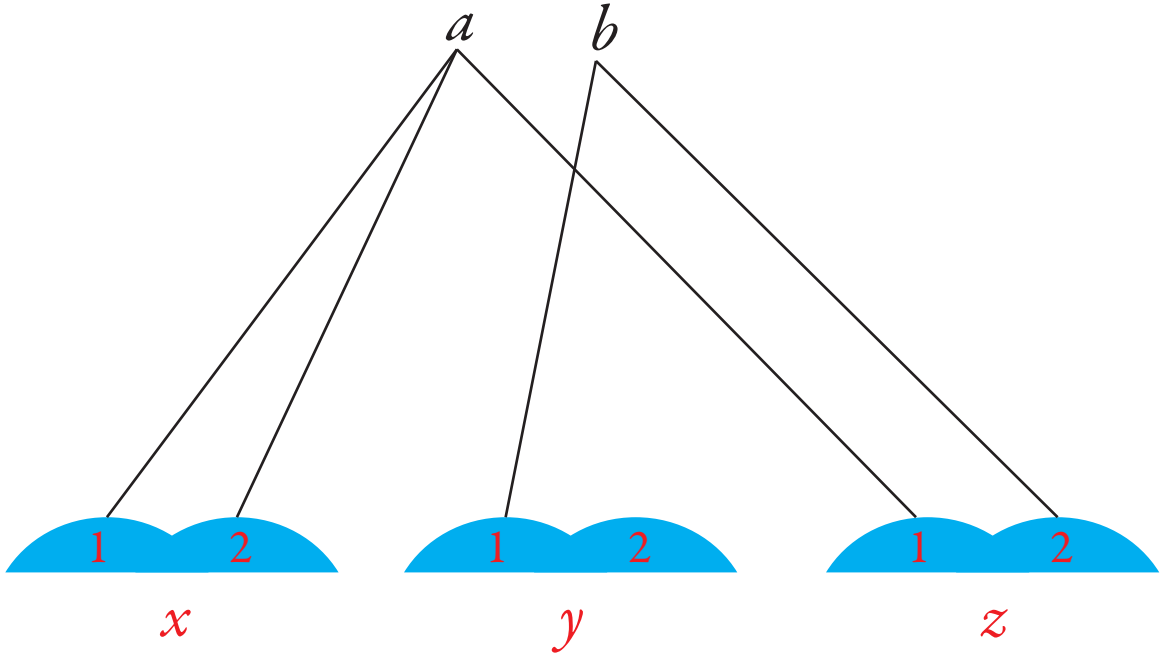
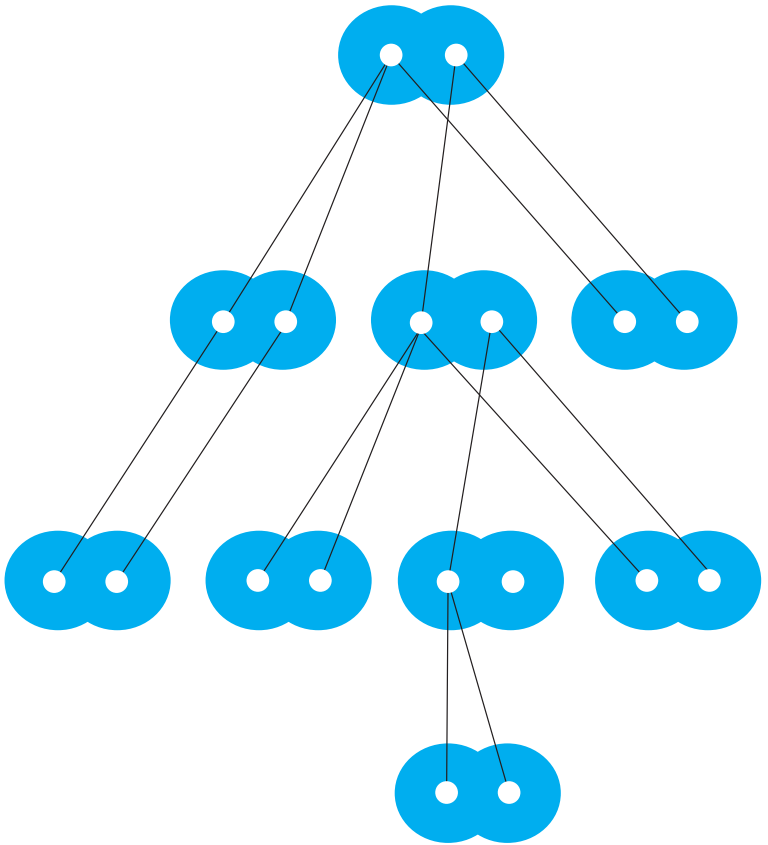
A term in TA of rank $\{y, u, x\}$

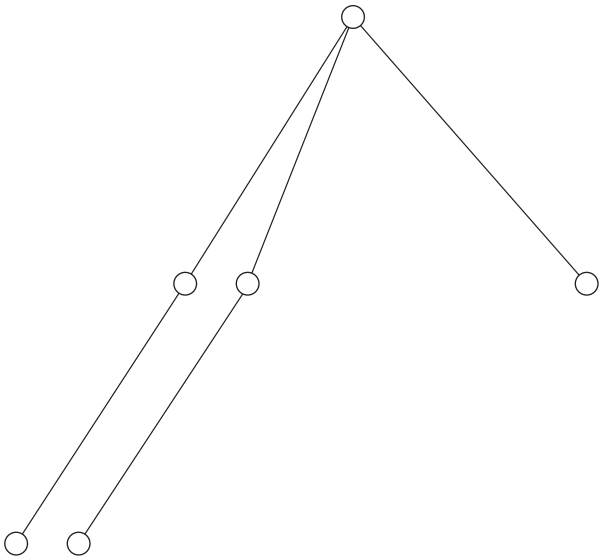



a
b
1
2
1
2
1
2
x
y
z

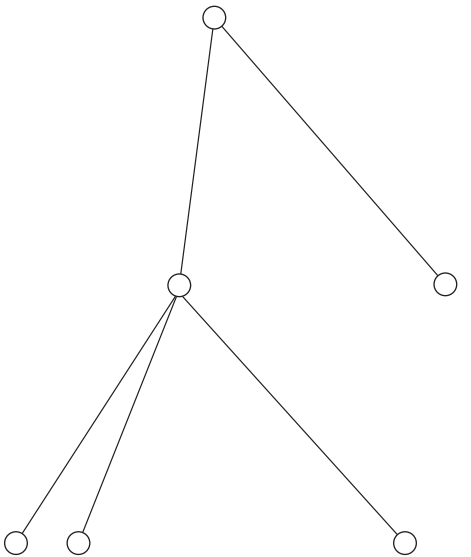
A tree t over $\Sigma^{[2]}$

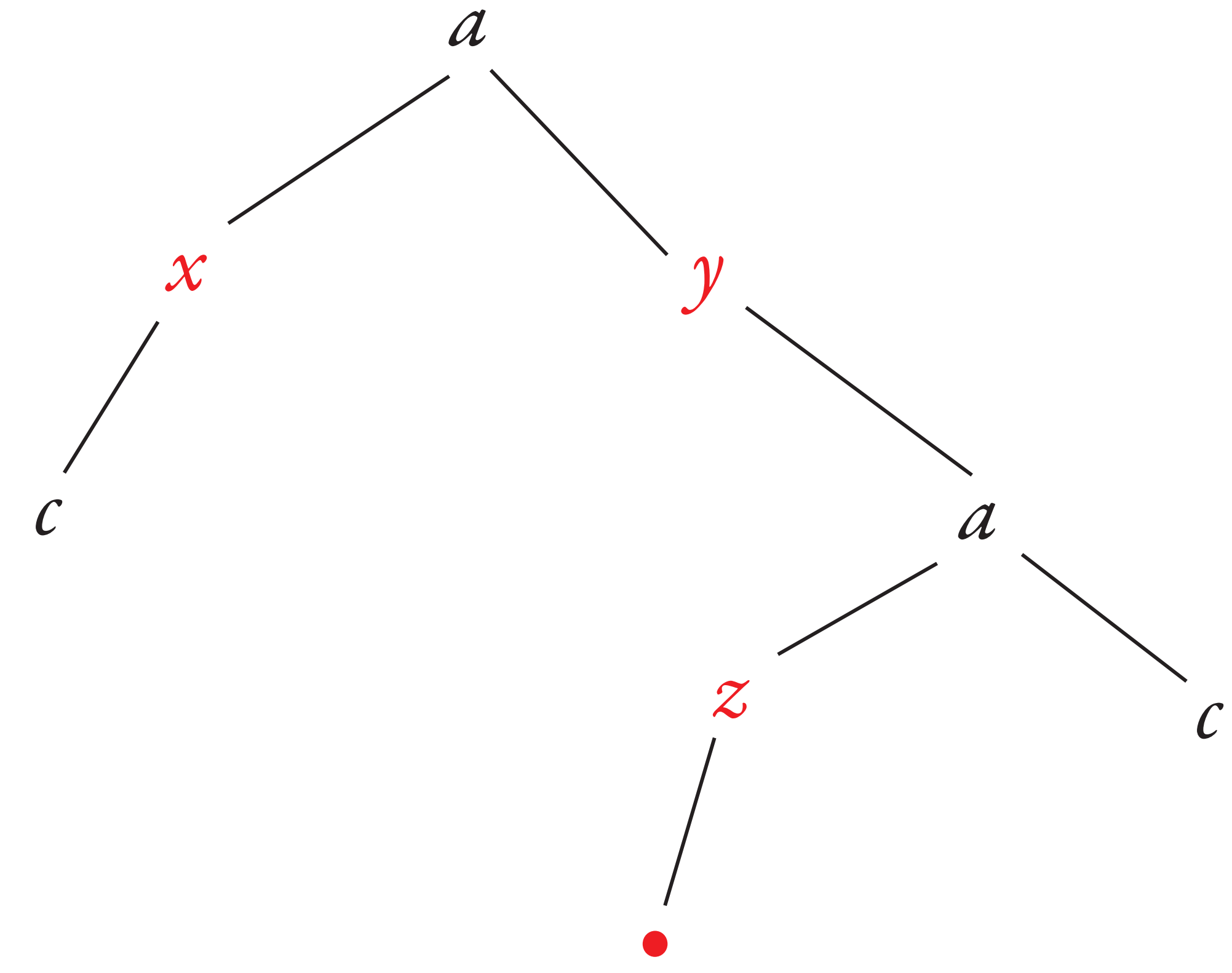


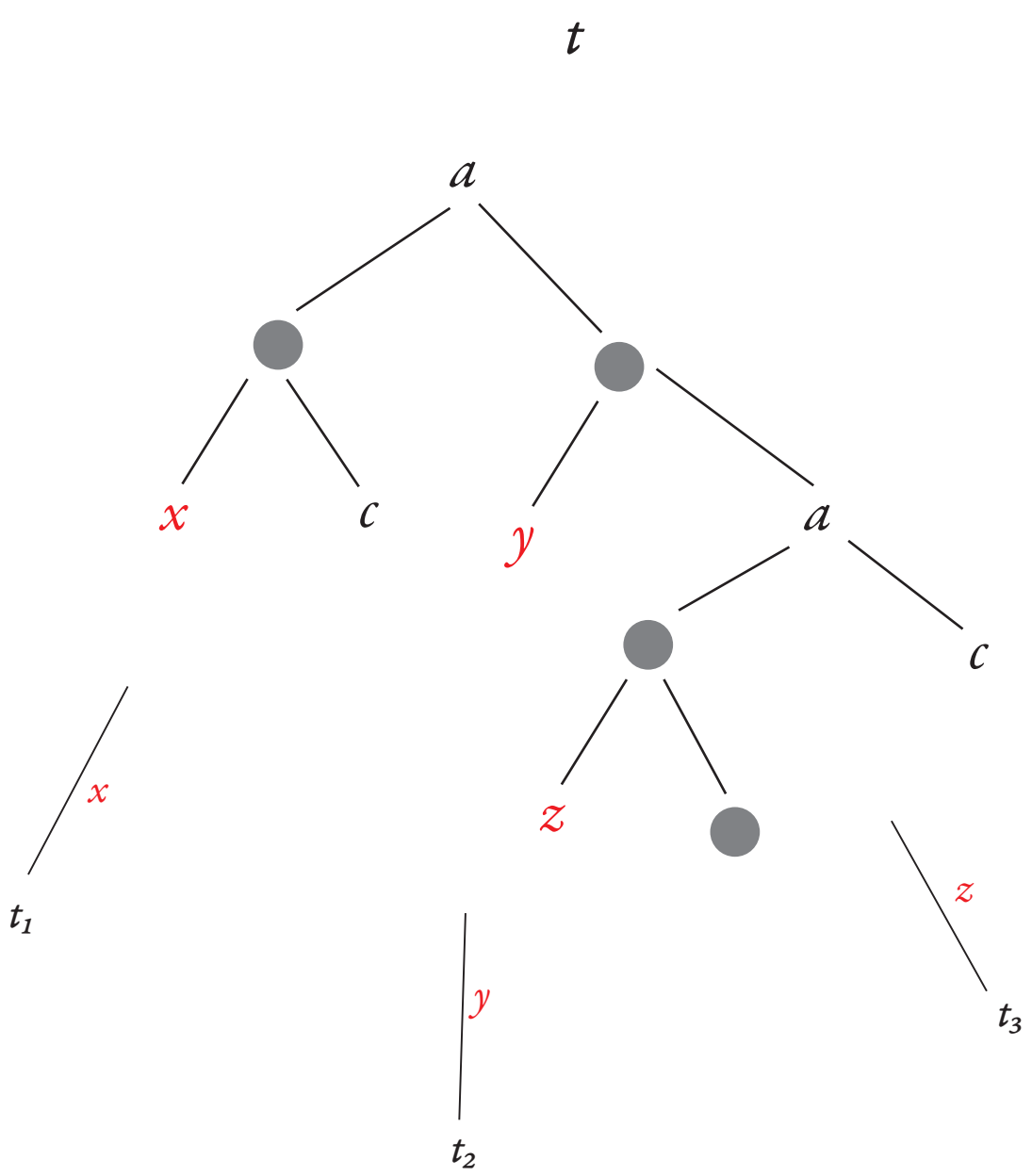
$\mathsf{unfold}_1(t)$

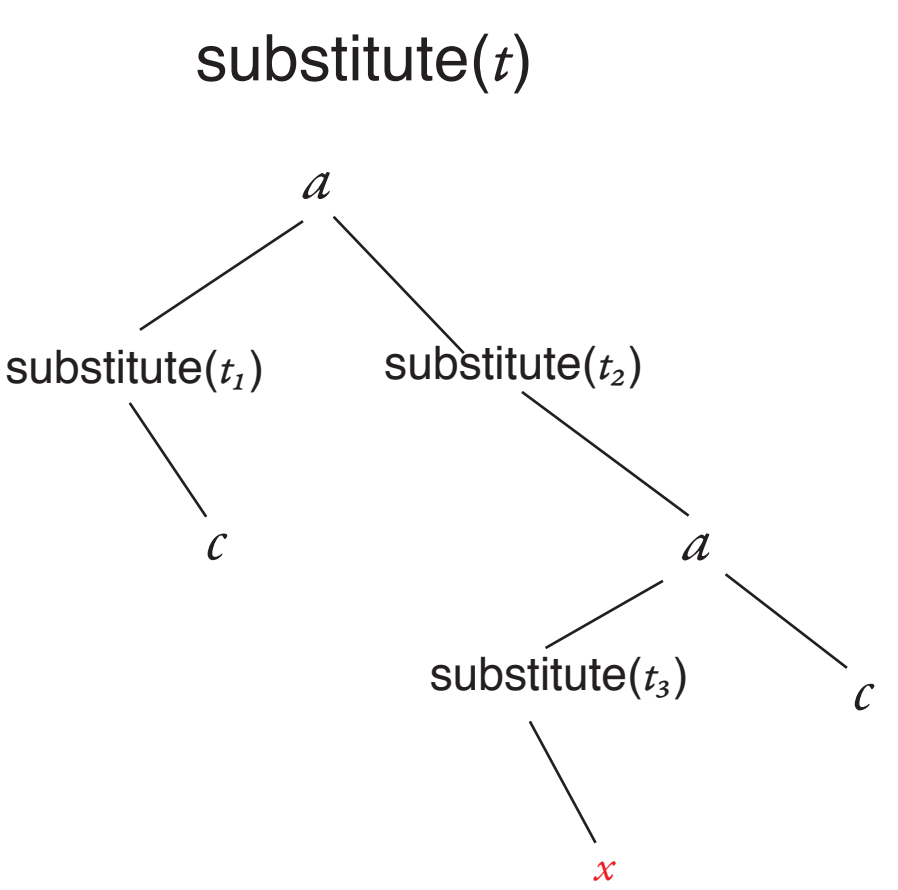


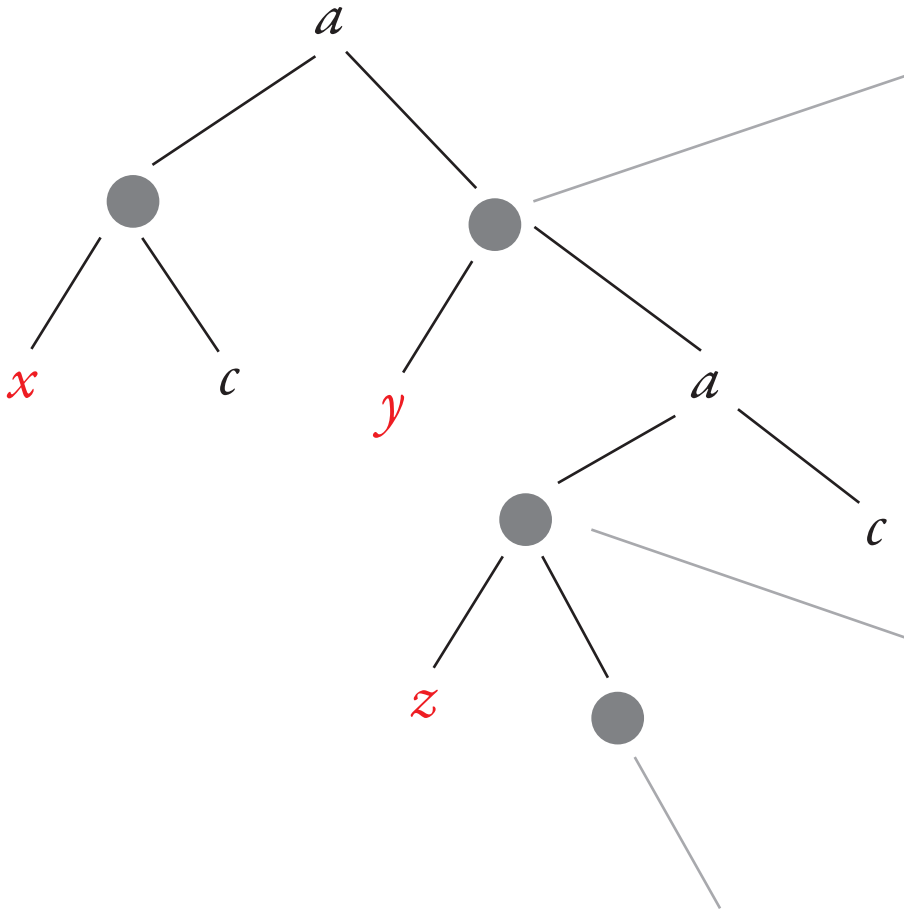
$\mathsf{unfold}_2(t)$




a
x
y
c
a
z
c


t
a
x
c
y
a
c
z
x
t1
y
t2
z
t3


substitute(t)
a
substitute(t1)
substitute(t2)
c
a
substitute(t3)
c
x



(c) for each binary letter from 1, its left child is a variable

(a) only binary and nullary letters from 1 are allowed

(b) a nullary letter from 1 is allowed exactly once