**1.**

exp

Plus (exp) "+" (exp1)
↓             ↓
exp1           exp2
↓               l
exp2            1
l
2

**2.**

exp

Plus (exp) "+" (exp1)
l              /
exp1 times exp1 "*" exp2
l            ↓        ↓
exp2

1
1

exp2
↓
2

3

3.   exp

Plus (exp)   '+'  (exp2)
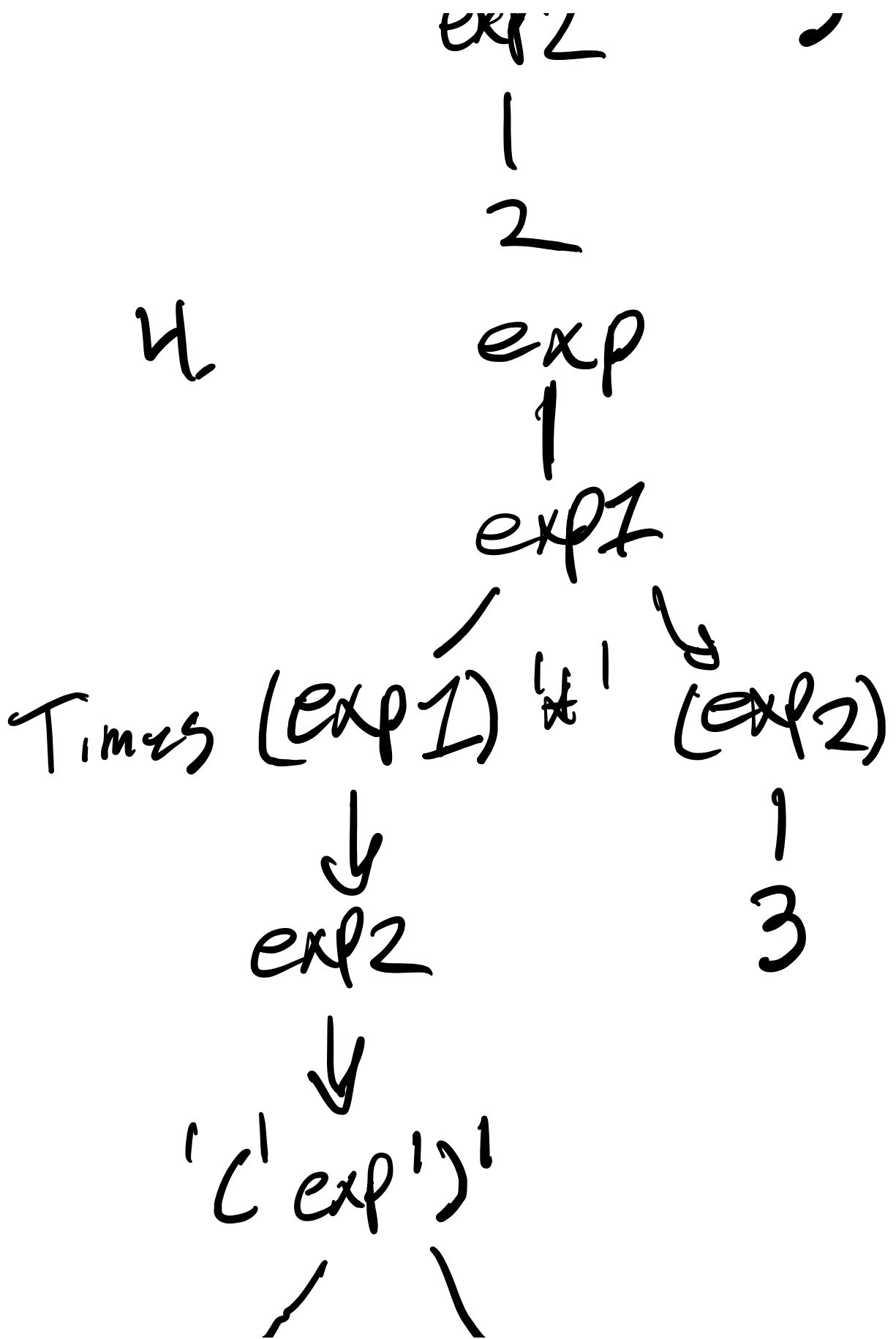
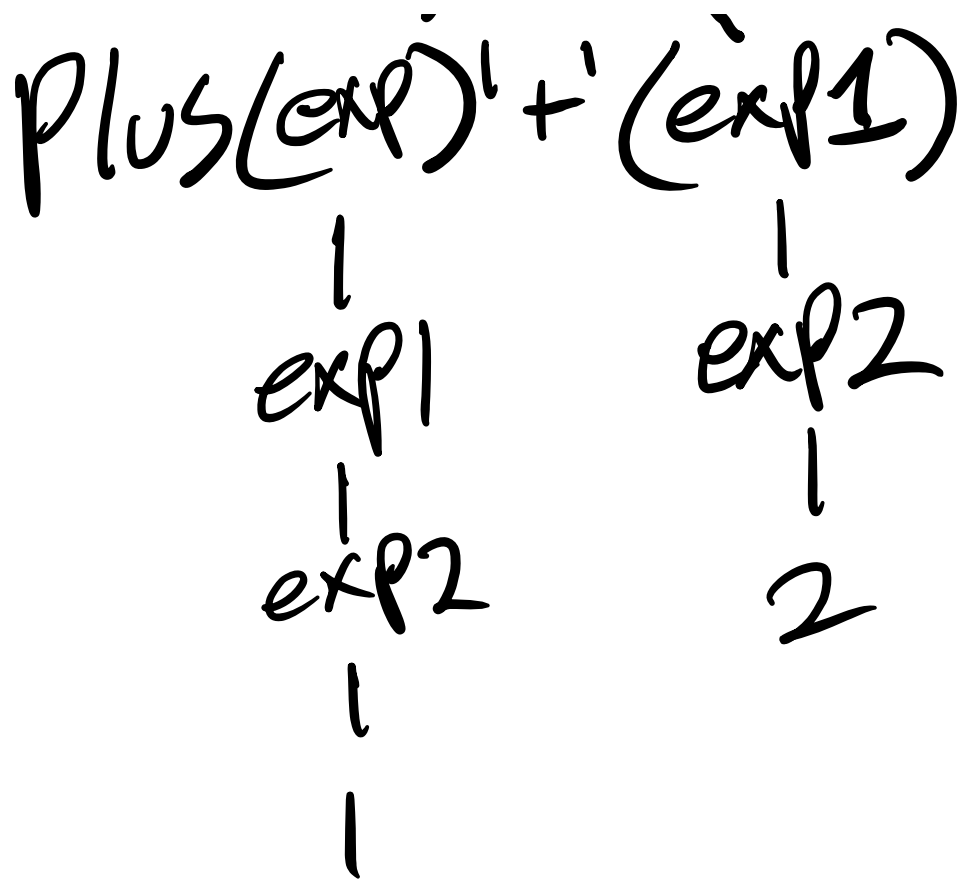exp1        '(' exp ')'
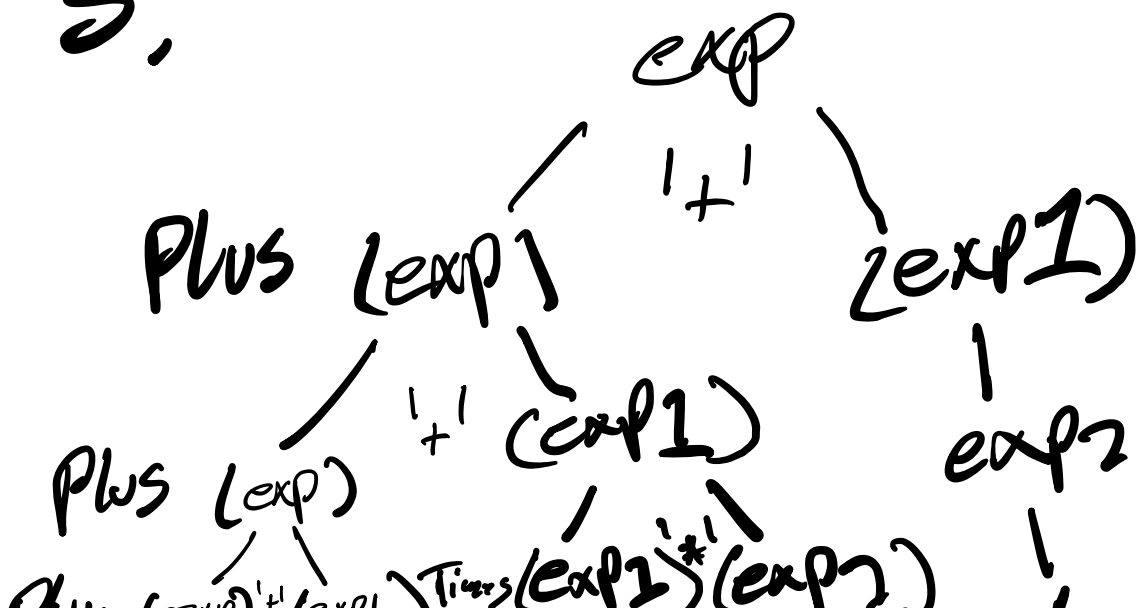
exp2         exp1

| Times(exp1) '*' (exp2)

|                3

3

exp2

|

2

exp

|

exp1

4

Times (exp1) #1 (exp2)

|

exp2

|

3

↓

'(' exp ')'

Plus (exp) '+' (exp1)

    |              |

   exp1     exp2

    |             |

   exp2      2

    |

    1

5.

                exp

           /  '+'  \

Plus (exp)         (exp1)

    /              |

Plus (exp)  '+' (exp1)     exp2

 /             /  '*'      |

Plus (exp)'+'(exp) Times (exp1) (exp2)

pany (exp) (exp' )
      |        ∧
    exp |   (exp₁ '*' exp₂)
      | Times    ↓        |
    exp2     exp2     3
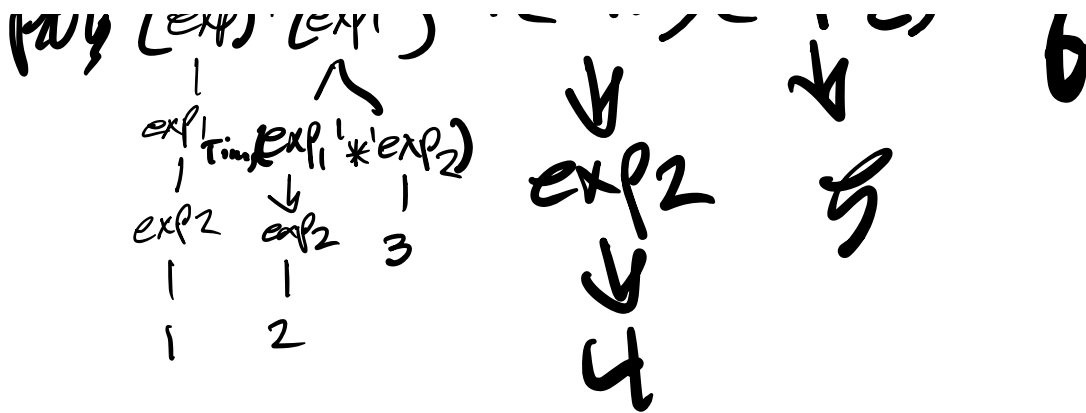      |        |
      1        2

exp2  →  exp2  →  4

5  →  6

**6.** 1+2+3 is identical to (1+2)+3
but not to 1+(2+3) since the side
of the trees differ in size,