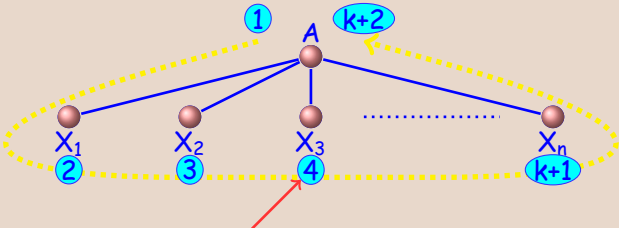


L 属性定义的求值次序与递归遍历

属性的求解次序与语法树遍历的关系

设 $A \rightarrow X_1X_2 \cdots X_n$ 为产生式，则

- A 的继承属性的计算先于对 A 的第一次访问。
- A 的综合属性的计算先于对 A 的最后一次访问。



此外能使用的属性是已遍历过结点的属性，即 A 的继承属性和 X_1, X_2 的(继承或综合)属性，即 L 属性

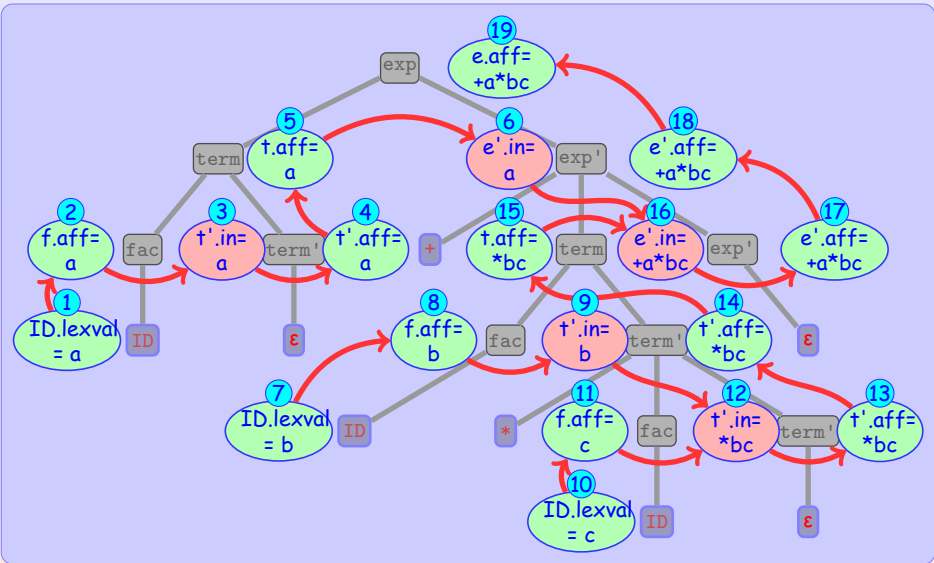
Example: L 属性定义

前

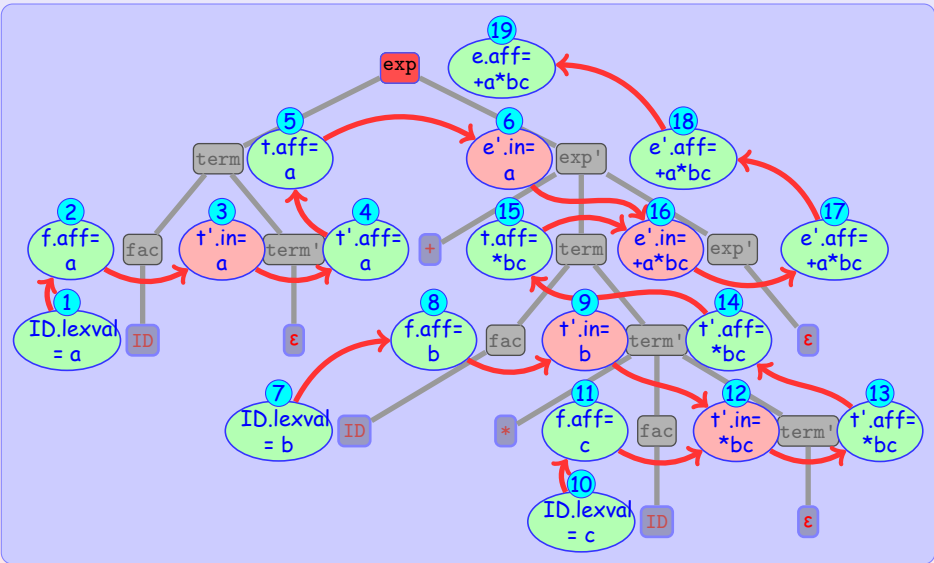
XL 语言翻译为后缀表达式 --- 消除左递归文法

产生式	语义规则
$\text{exp} \rightarrow \text{term exp}'$	$\text{exp}'.\text{in} = \text{term.aff}$ $\text{exp.aff} = \text{exp}'.\text{aff}$
$\text{exp}' \rightarrow +\text{term exp}'_1$	$\text{exp}'_1.\text{in} = +\text{exp}'.\text{in term.aff}$ $\text{exp}'.\text{aff} = \text{exp}'_1.\text{aff}$
$\text{exp}' \rightarrow \varepsilon$	$\text{exp}'.\text{aff} = \text{exp}'.\text{in}$
$\text{term} \rightarrow \text{fac term}'$	$\text{term}'.\text{in} = \text{fac.aff}$ $\text{term.aff} = \text{term}'.\text{aff}$
$\text{term}' \rightarrow *\text{fac term}'_1$	$\text{term}'_1.\text{in} = *\text{term}'.\text{in fac.aff}$ $\text{term}'.\text{aff} = \text{term}'_1.\text{aff}$
$\text{term}' \rightarrow \varepsilon$	$\text{term}'.\text{aff} = \text{term}'.\text{in}$
$\text{fac} \rightarrow \text{ID}$	$\text{fac.aff} = \text{ID.lexval}$
$\text{fac} \rightarrow (\text{exp})$	$\text{fac.aff} = \text{exp.aff}$

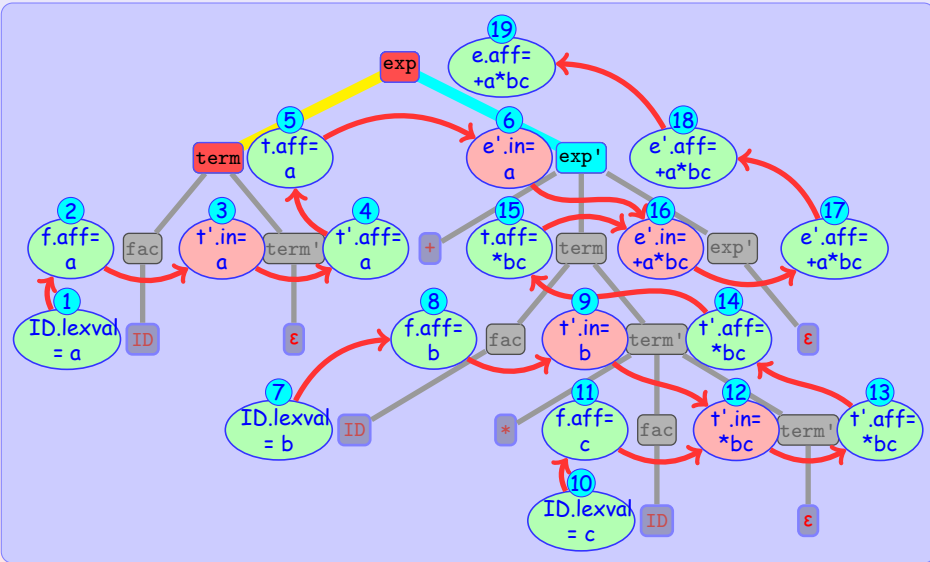
Example --- L 属性的求解次序与递归遍历相容.



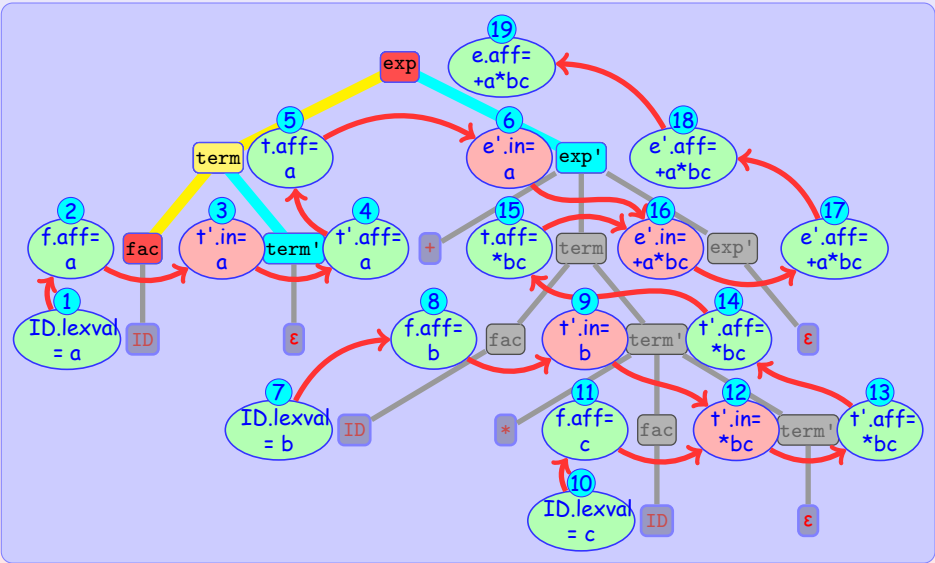
Example --- L 属性的求解次序与递归遍历相容.



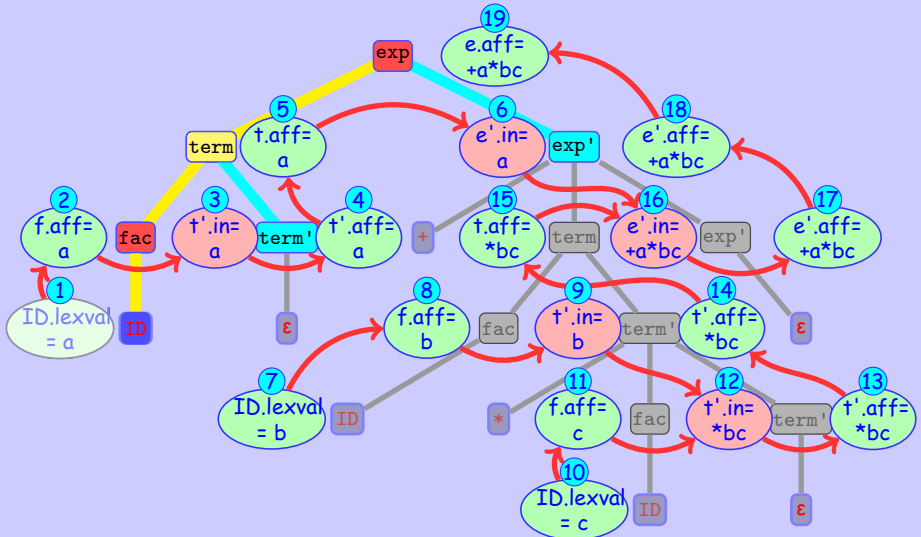
Example --- L 属性的求解次序与递归遍历相容。



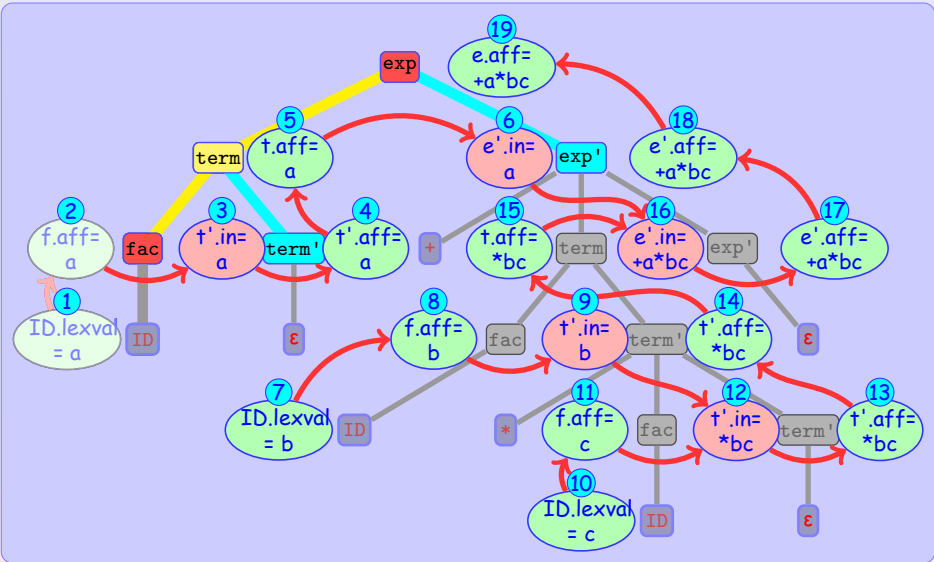
Example --- L 属性的求解次序与递归遍历相容.



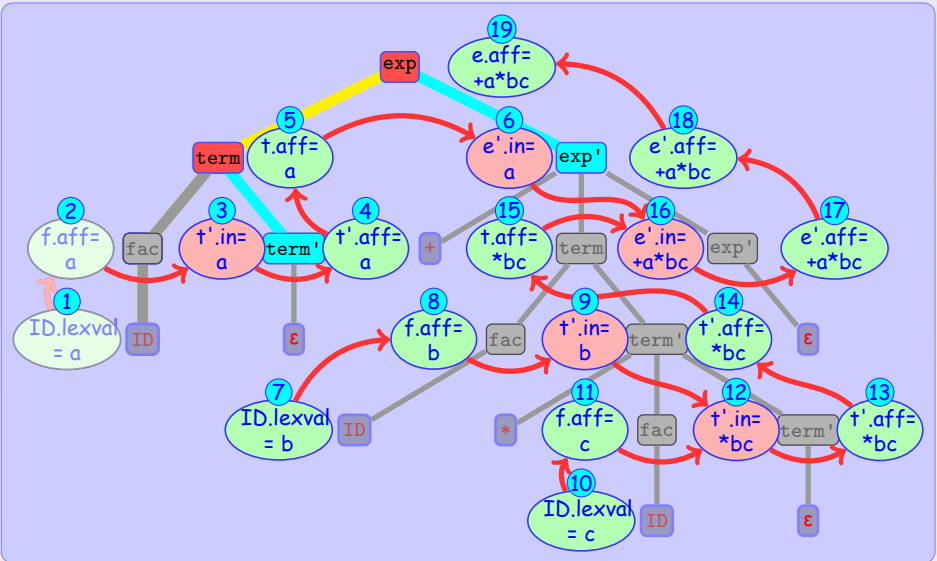
Example --- L 属性的求解次序与递归遍历相容。



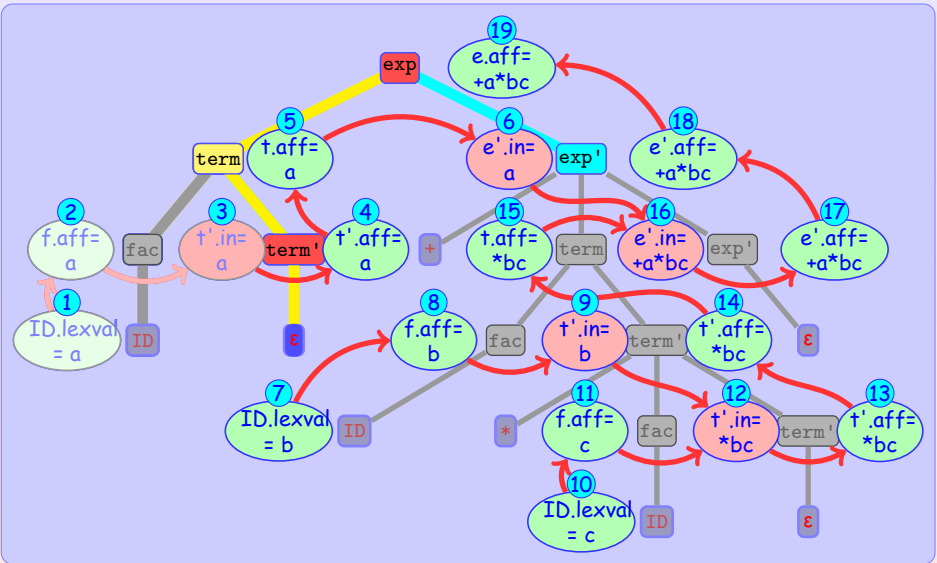
Example --- L 属性的求解次序与递归遍历相容.



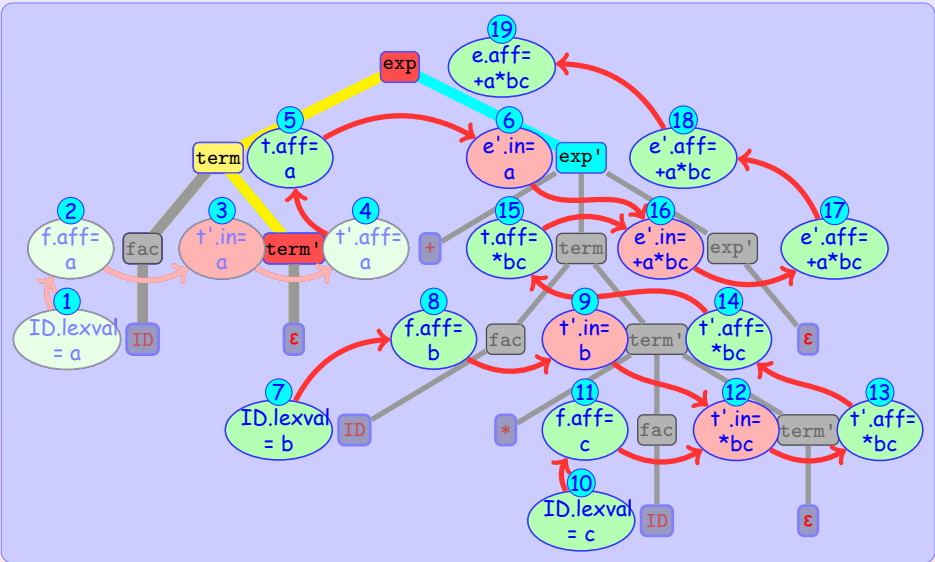
Example --- L 属性的求解次序与递归遍历相容.



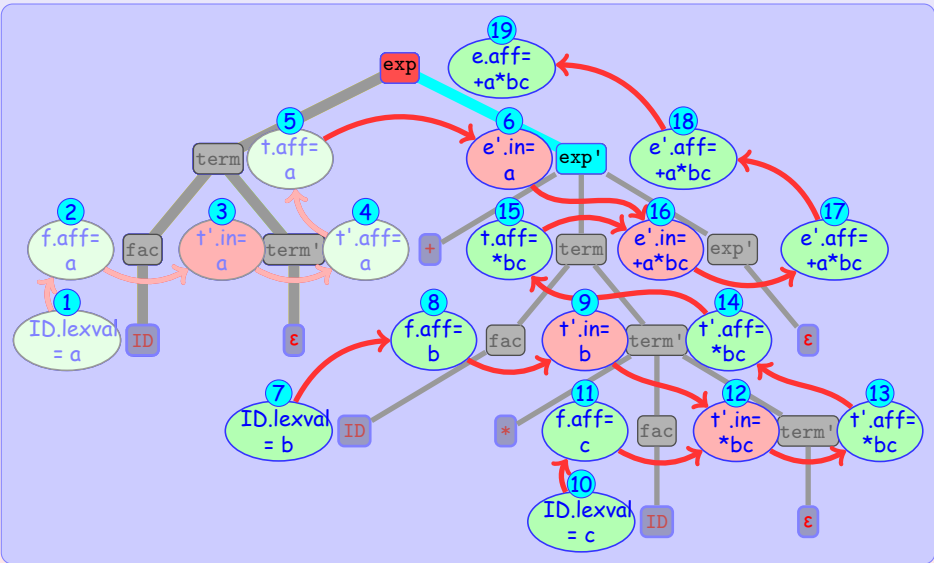
Example --- L 属性的求解次序与递归遍历相容.



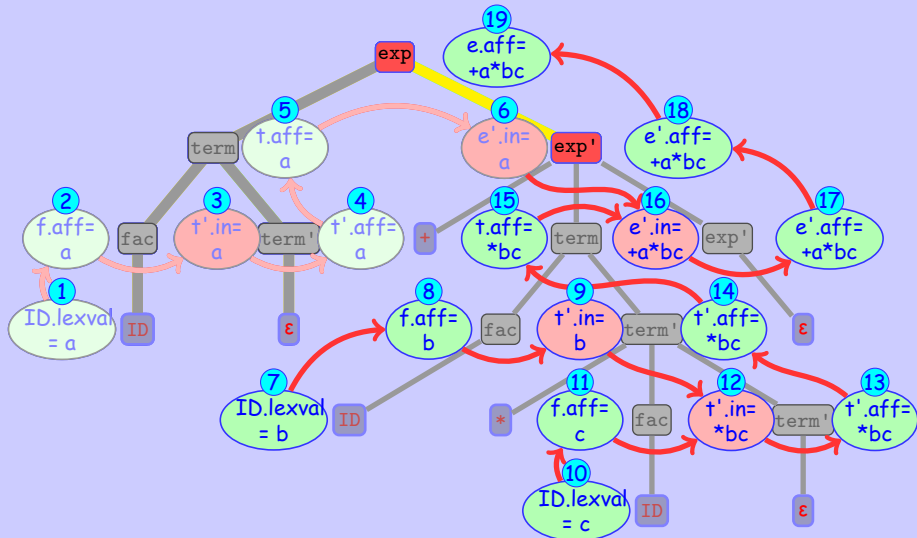
Example --- L 属性的求解次序与递归遍历相容.



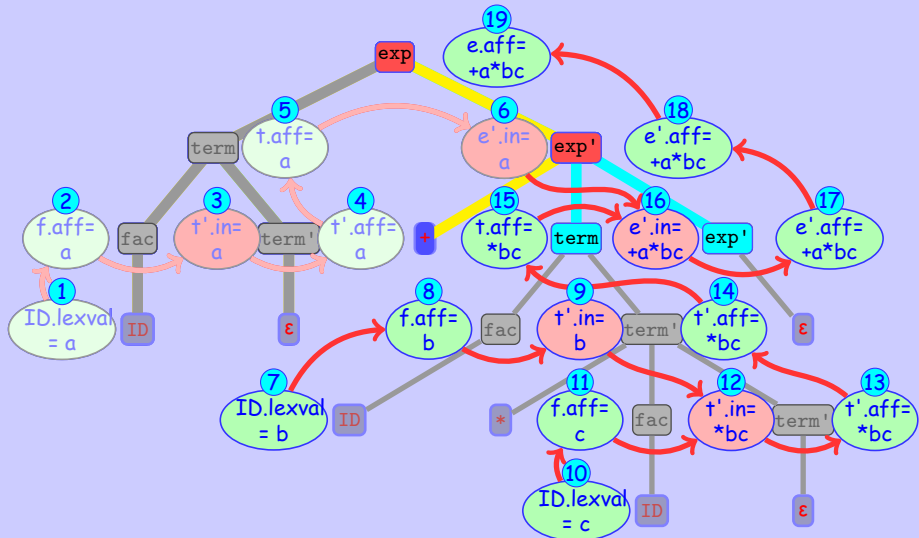
Example --- L 属性的求解次序与递归遍历相容.



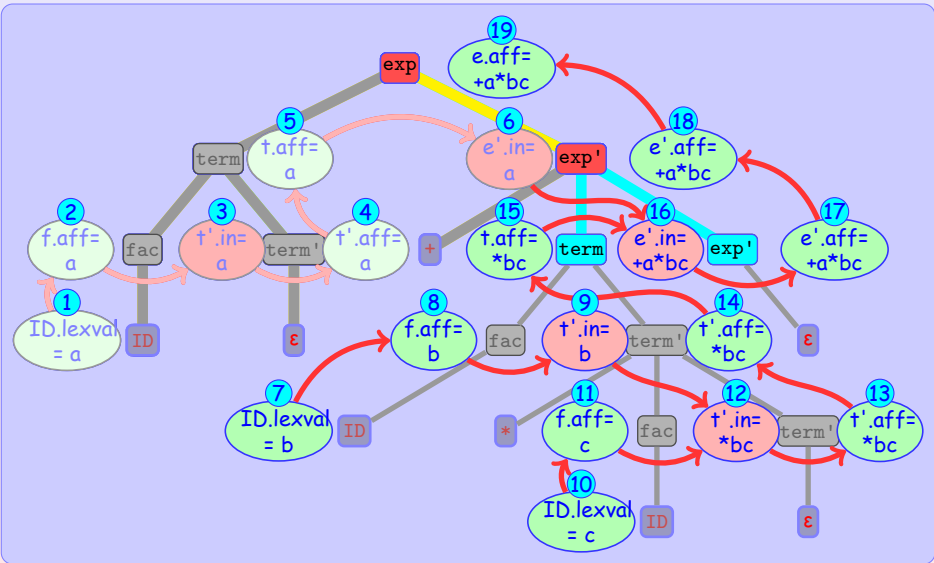
Example --- L 属性的求解次序与递归遍历相容.



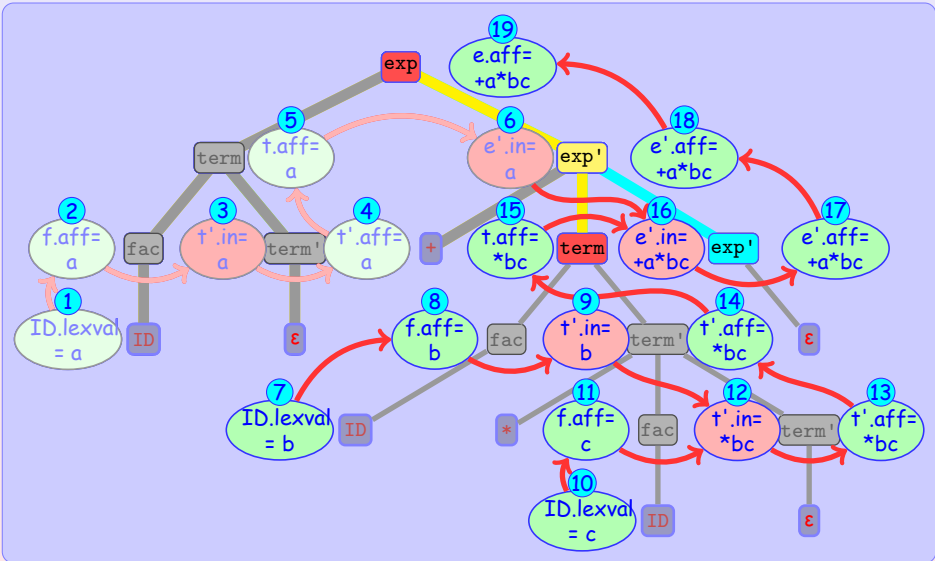
Example --- L 属性的求解次序与递归遍历相容.



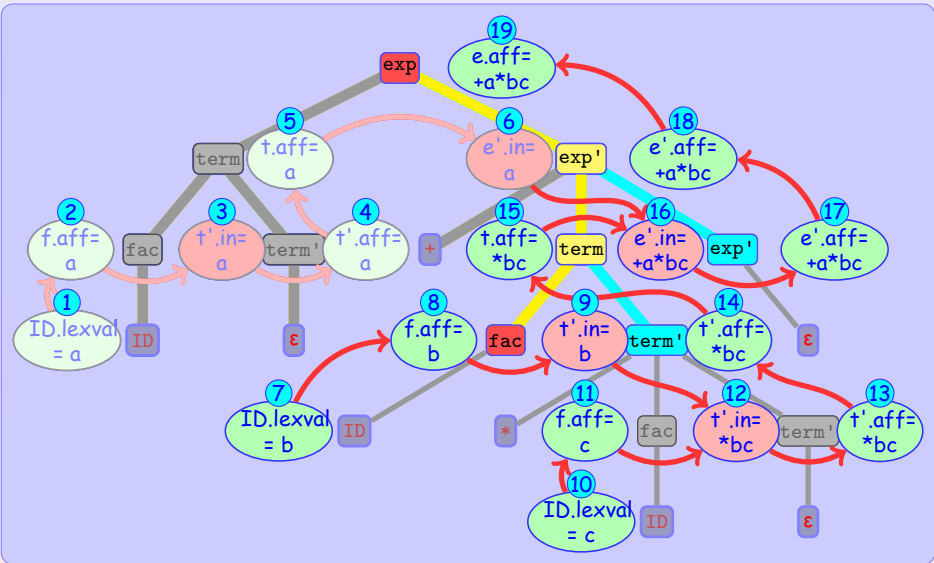
Example --- L 属性的求解次序与递归遍历相容.



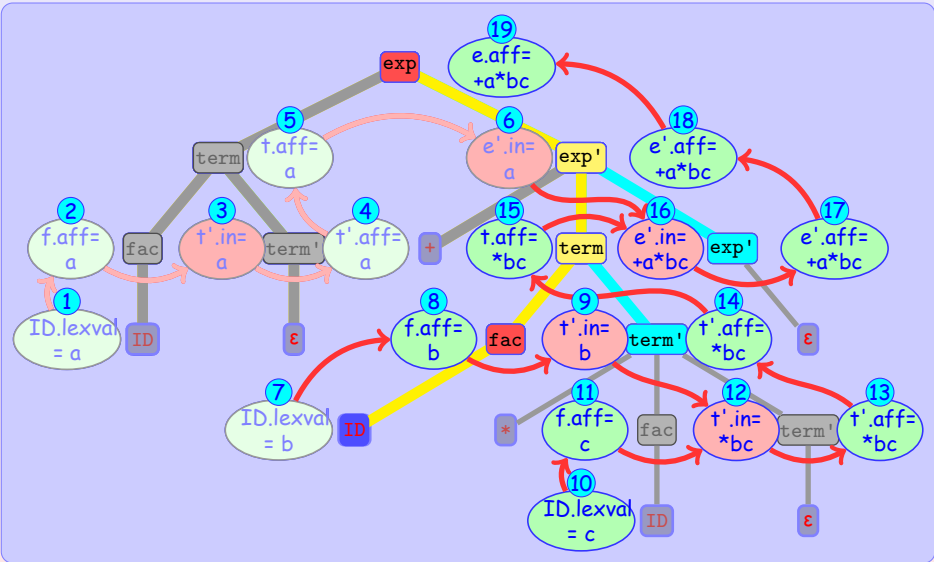
Example --- L 属性的求解次序与递归遍历相容.



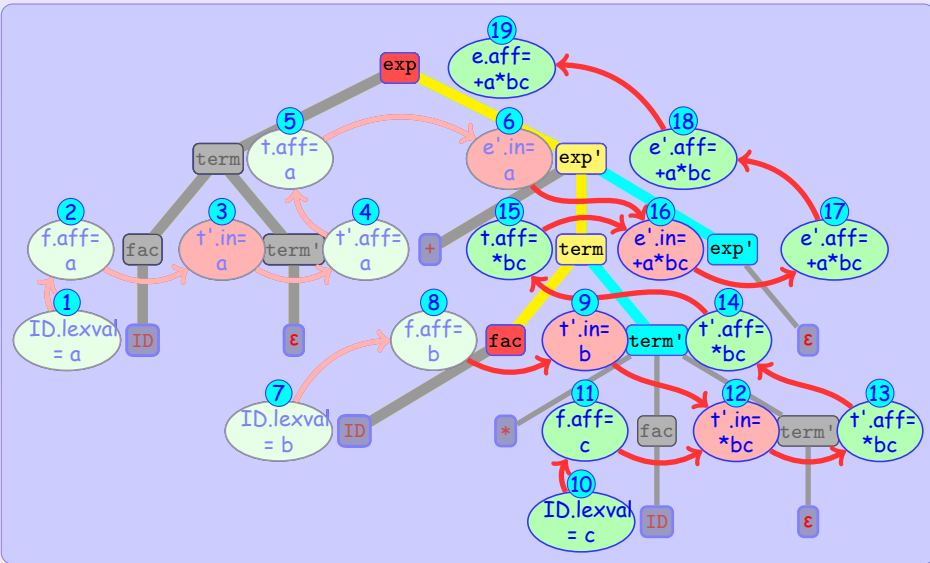
Example --- L 属性的求解次序与递归遍历相容.



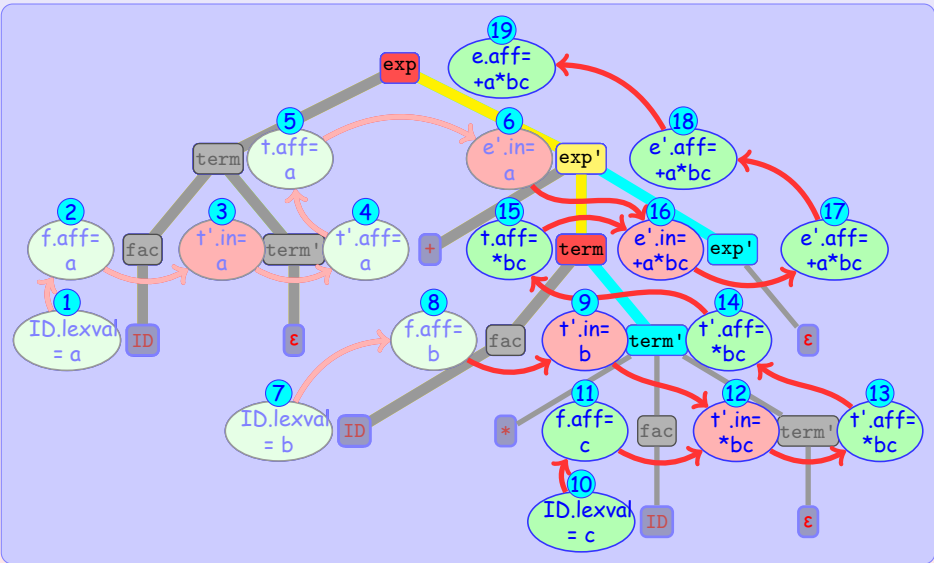
Example --- L 属性的求解次序与递归遍历相容.



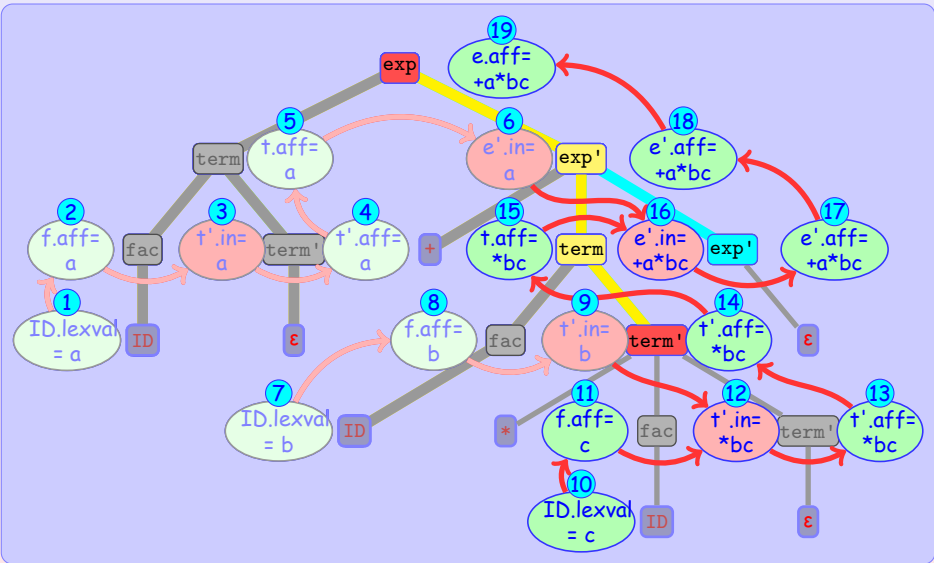
Example --- L 属性的求解次序与递归遍历相容.



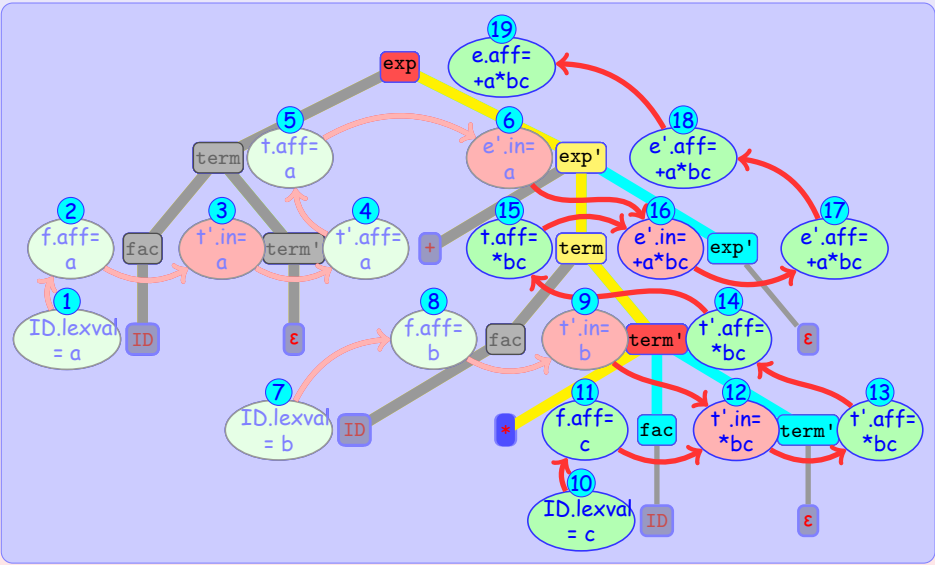
Example --- L 属性的求解次序与递归遍历相容.



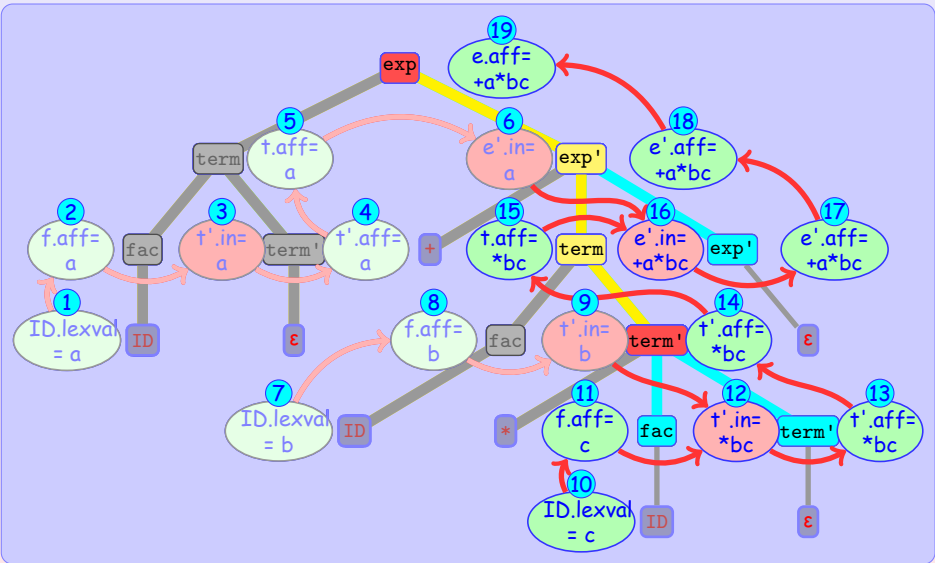
Example --- L 属性的求解次序与递归遍历相容.



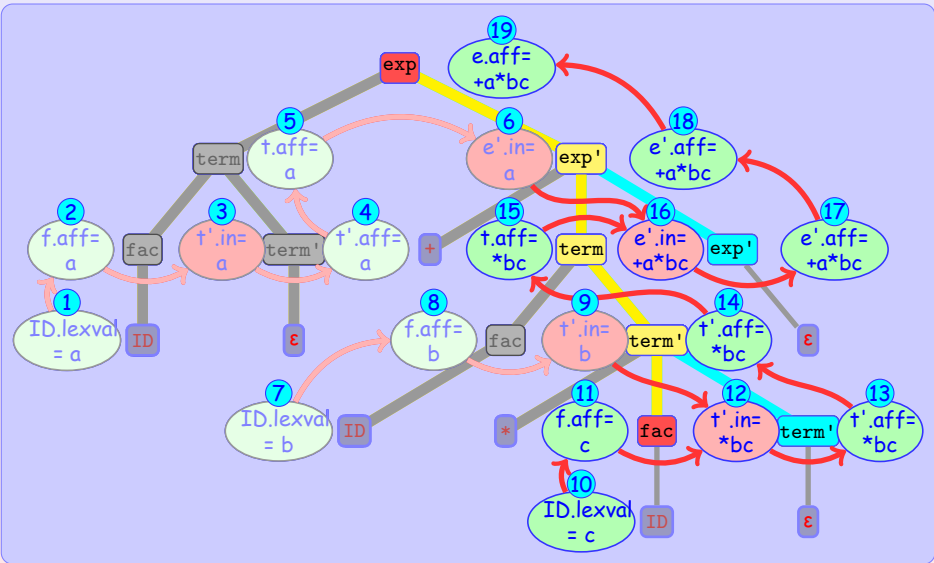
Example --- L 属性的求解次序与递归遍历相容.



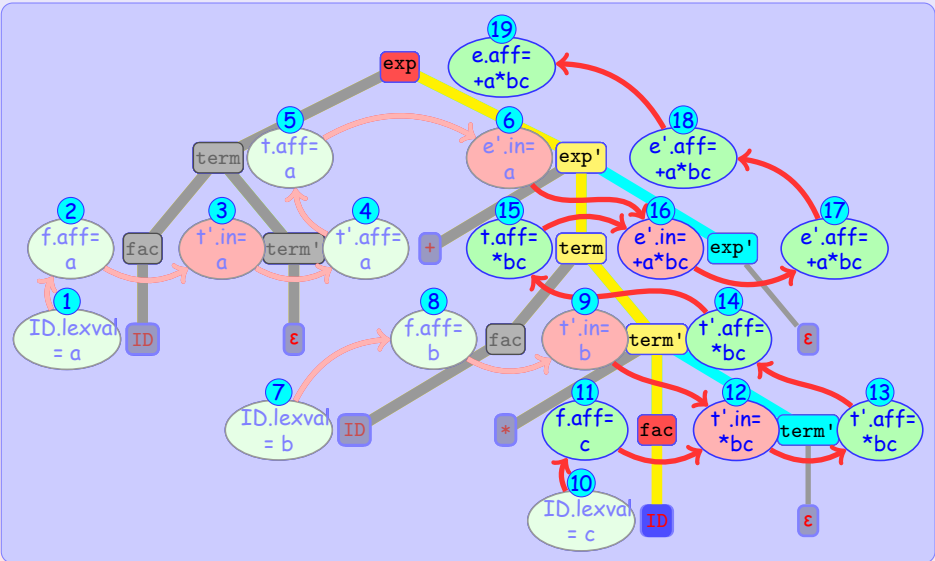
Example --- L 属性的求解次序与递归遍历相容.



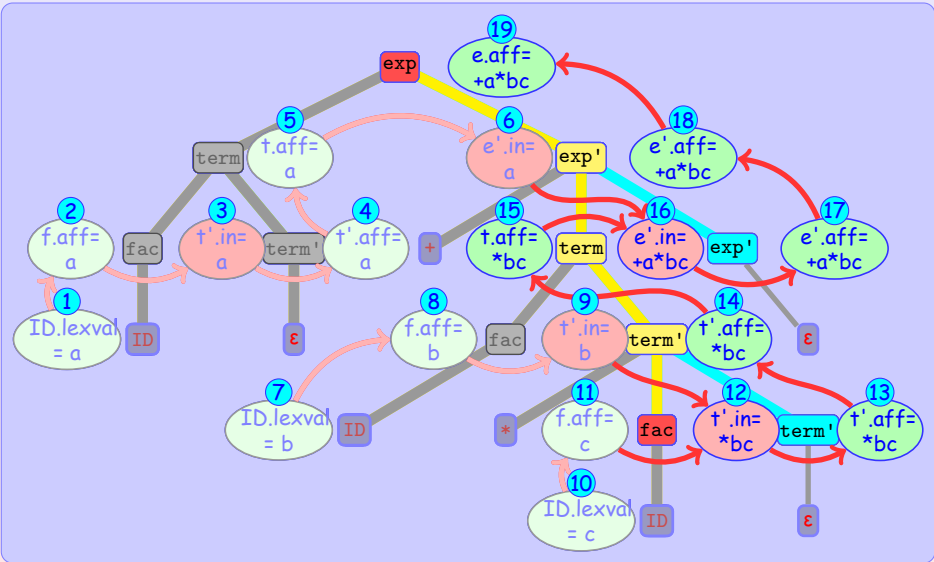
Example --- L 属性的求解次序与递归遍历相容.



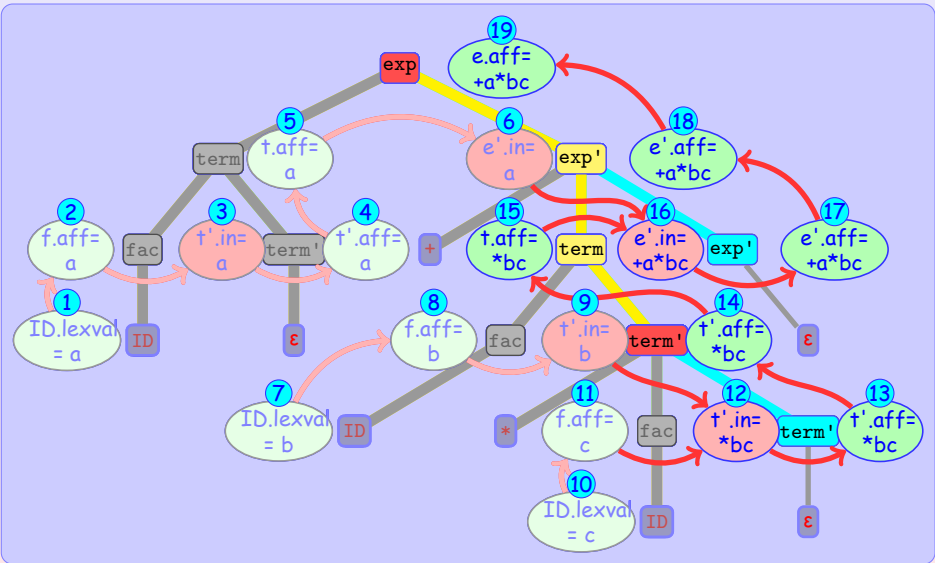
Example --- L 属性的求解次序与递归遍历相容.



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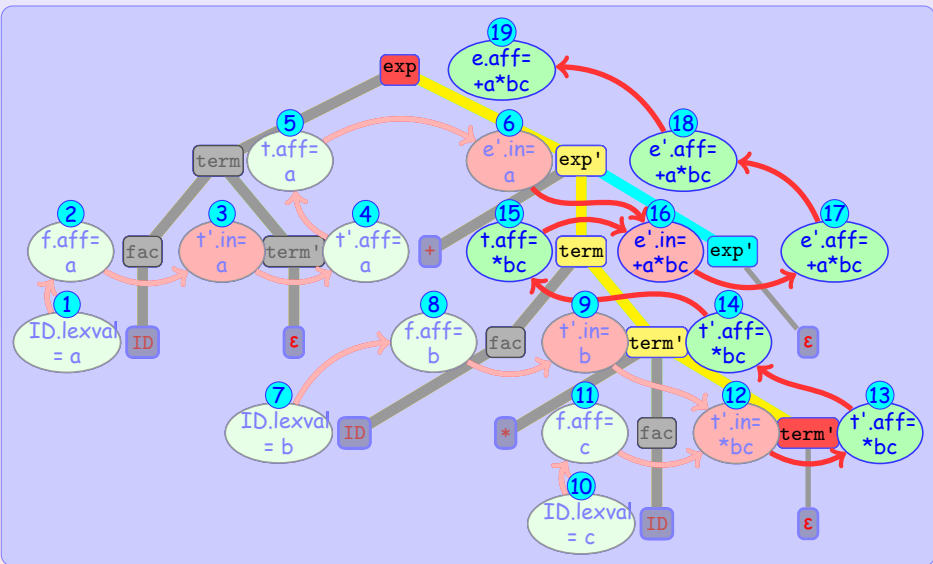


Example --- L 属性的求解次序与递归遍历相容.

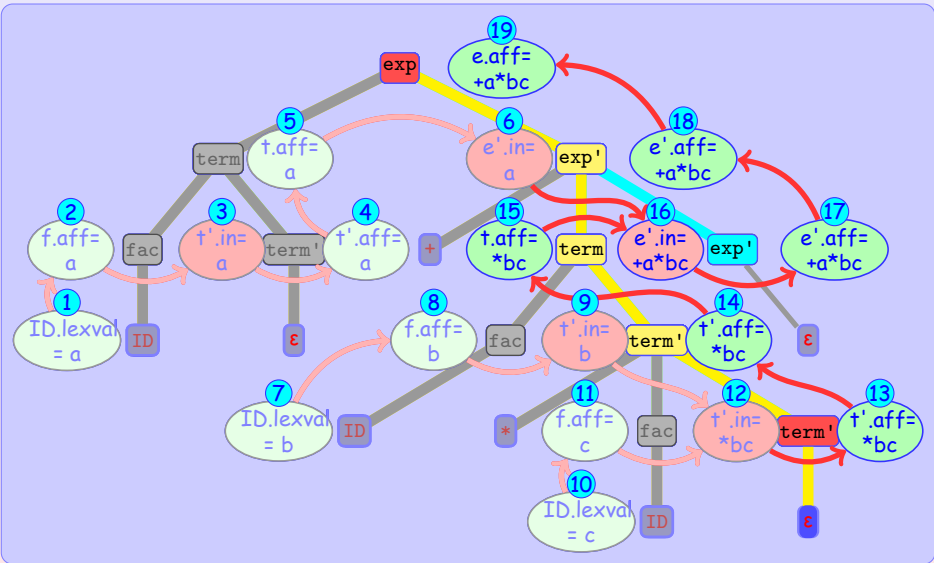




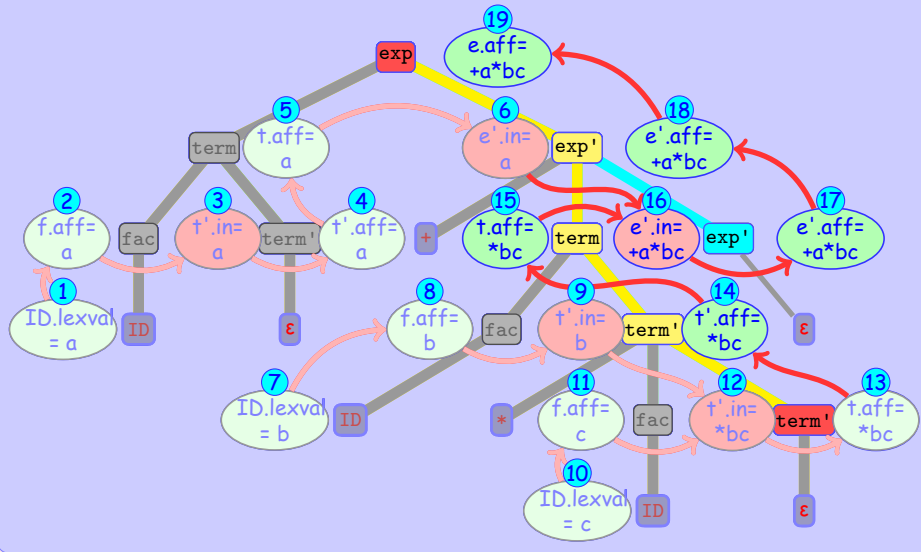
Example --- L 属性的求解次序与递归遍历相容.



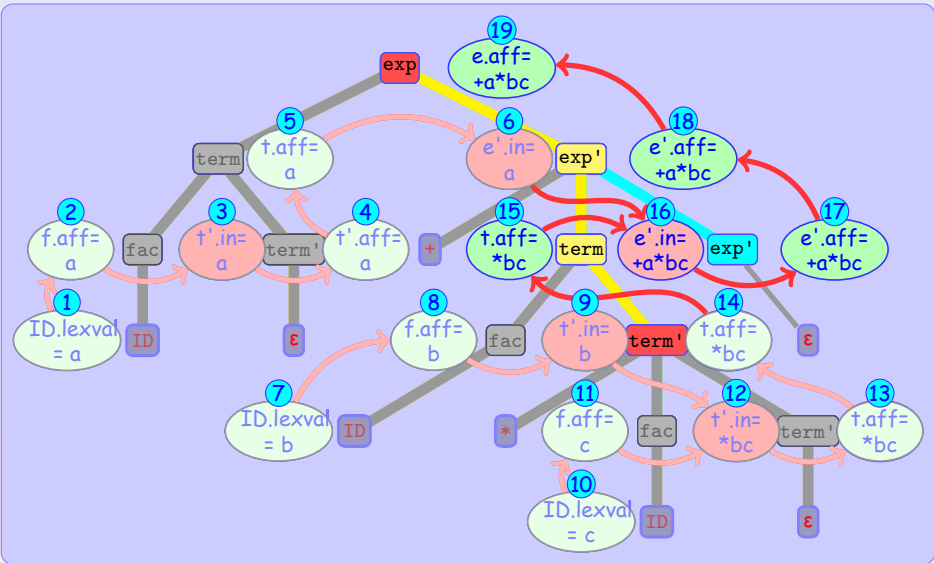
Example --- L 属性的求解次序与递归遍历相容.



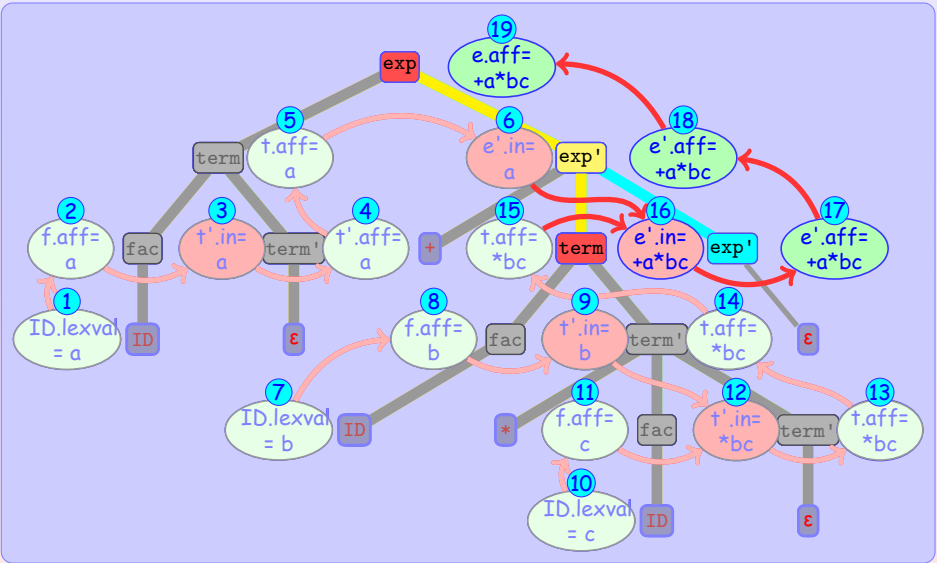
Example --- L 属性的求解次序与递归遍历相容.



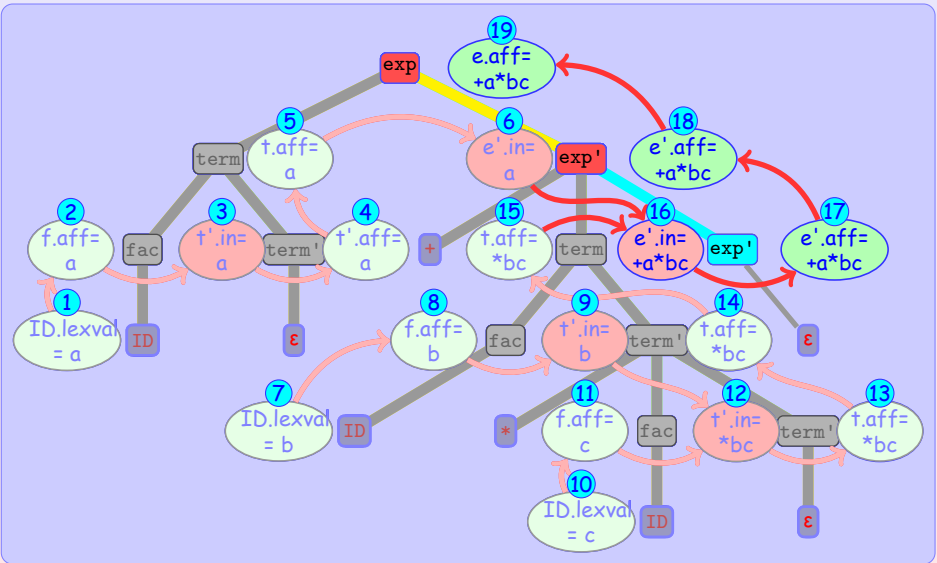
Example --- L 属性的求解次序与递归遍历相容.



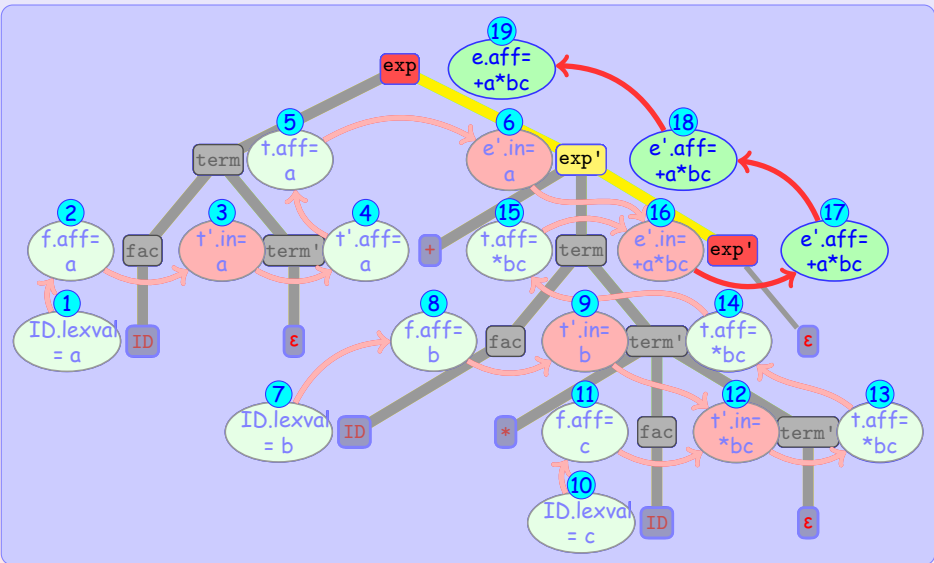
Example --- L 属性的求解次序与递归遍历相容



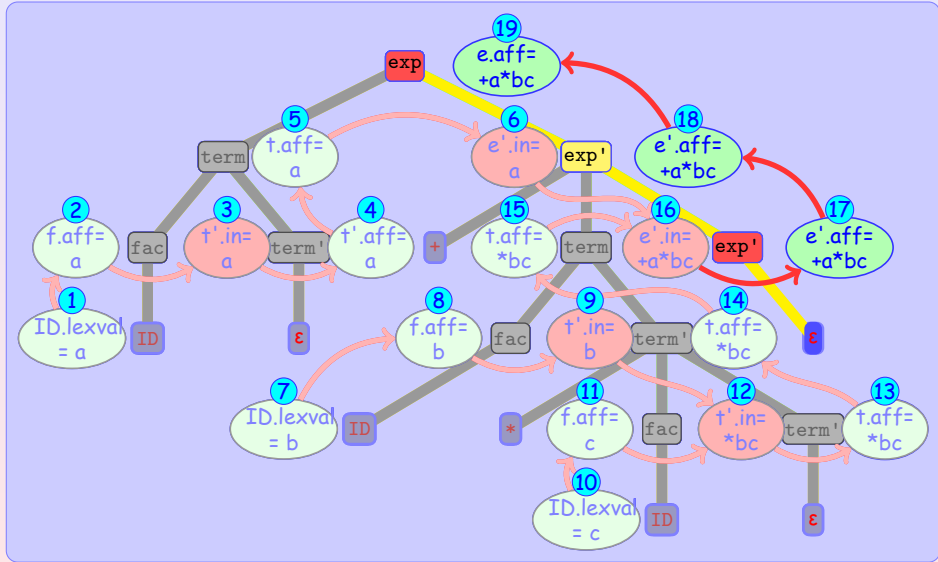
Example --- L 属性的求解次序与递归遍历相容。



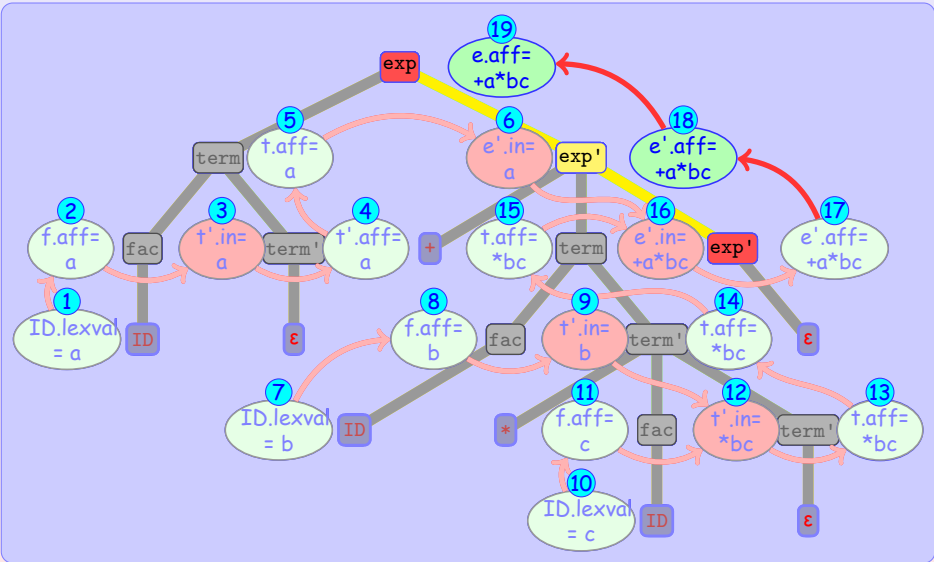
Example --- L 属性的求解次序与递归遍历相容.



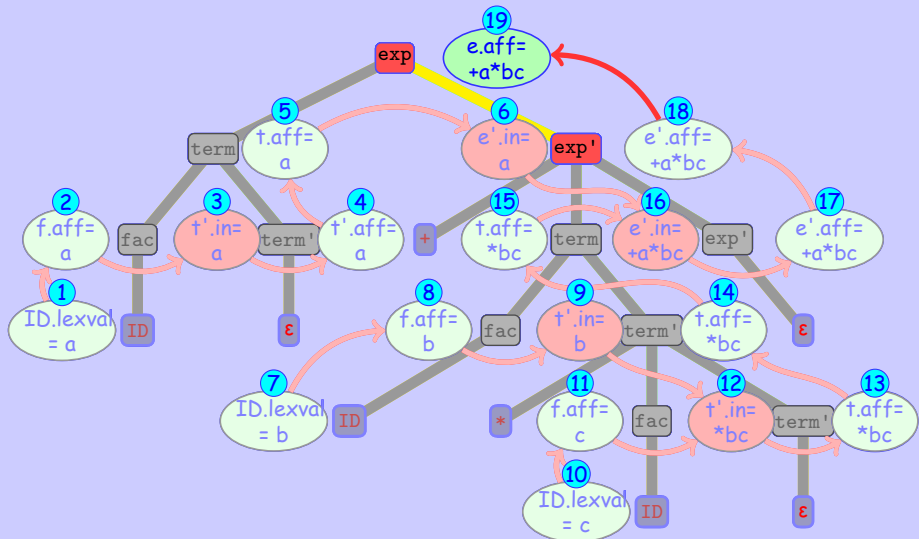
Example --- L 属性的求解次序与递归遍历相容



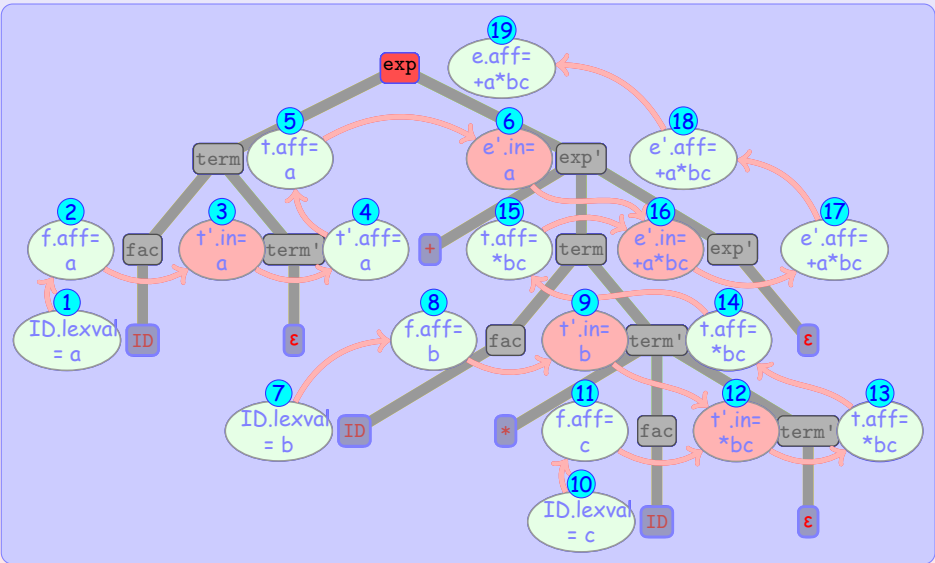
Example --- L 属性的求解次序与递归遍历相容.



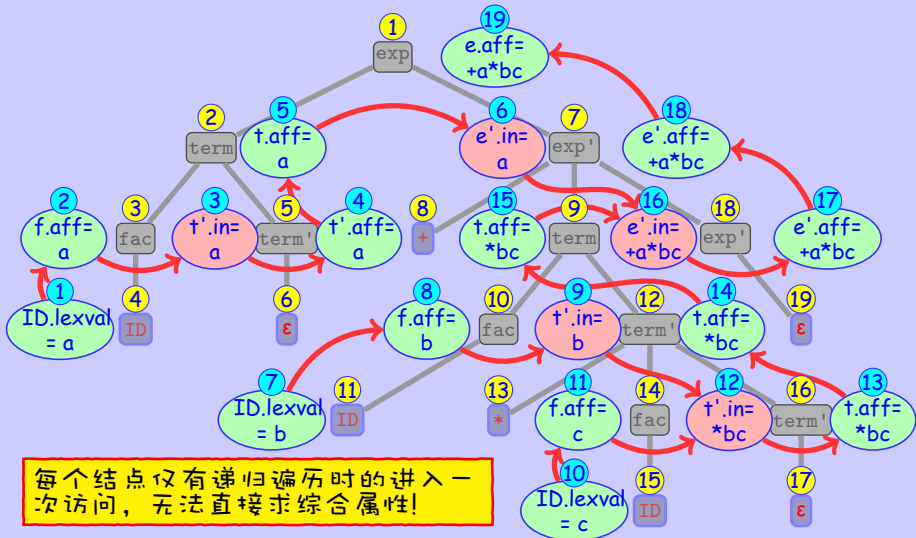
Example --- L 属性的求解次序与递归遍历相容.



Example --- L 属性的求解次序与递归遍历相容.



LL 分析法对语法树遍历的次序



LR 分析法对语法树遍历的次序

