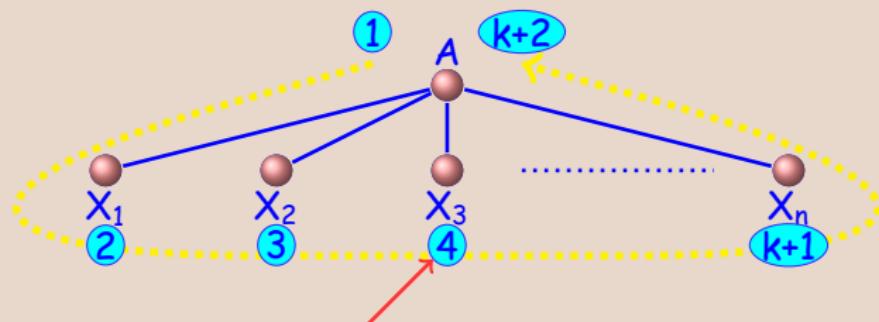


L 属性定义的求值次序与递归遍历

属性的求解次序与语法树遍历的关系

设 $A \rightarrow X_1 X_2 \cdots X_n$ 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。



此处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

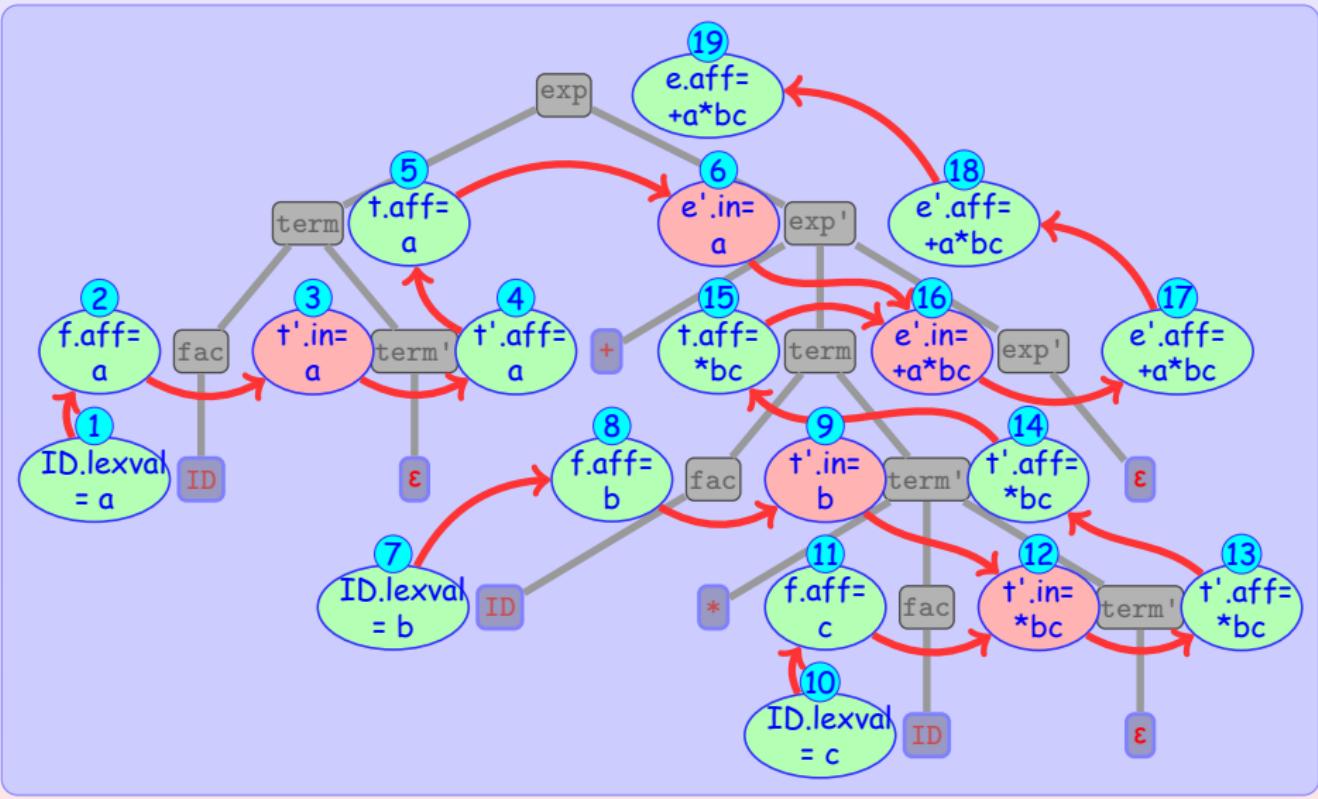
Example: L 属性定义

前

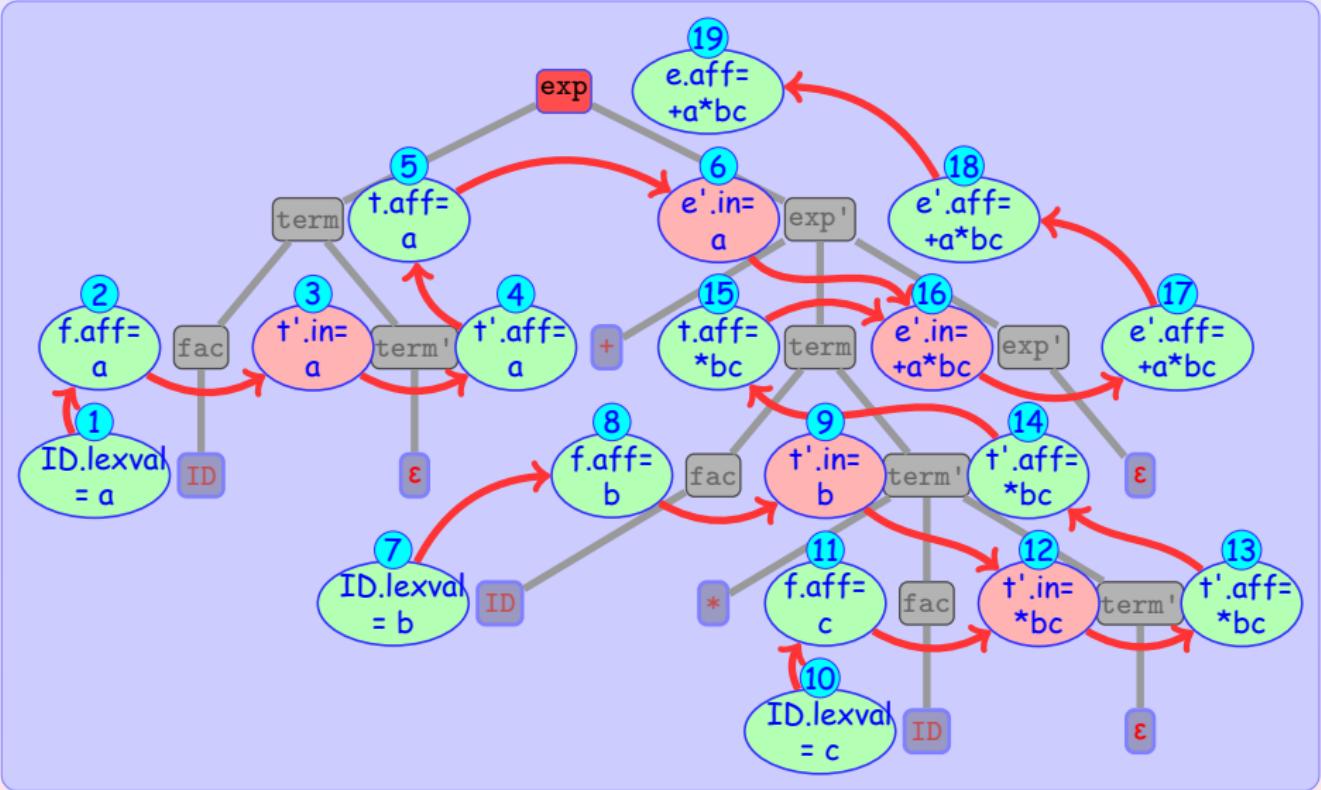
XL 语言翻译为后缀表达式 --- 消除左递归文法

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

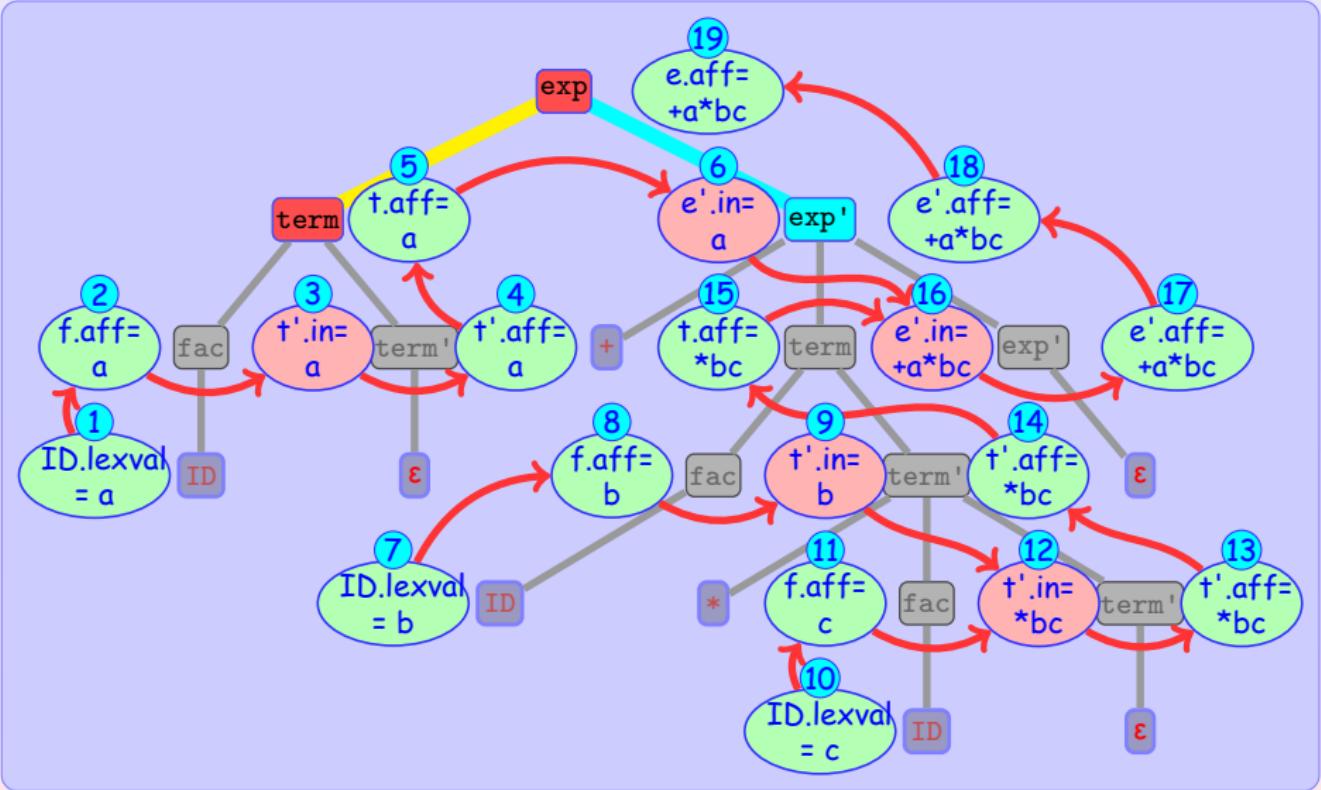
Example --- L 属性的求解次序与递归遍历相容。



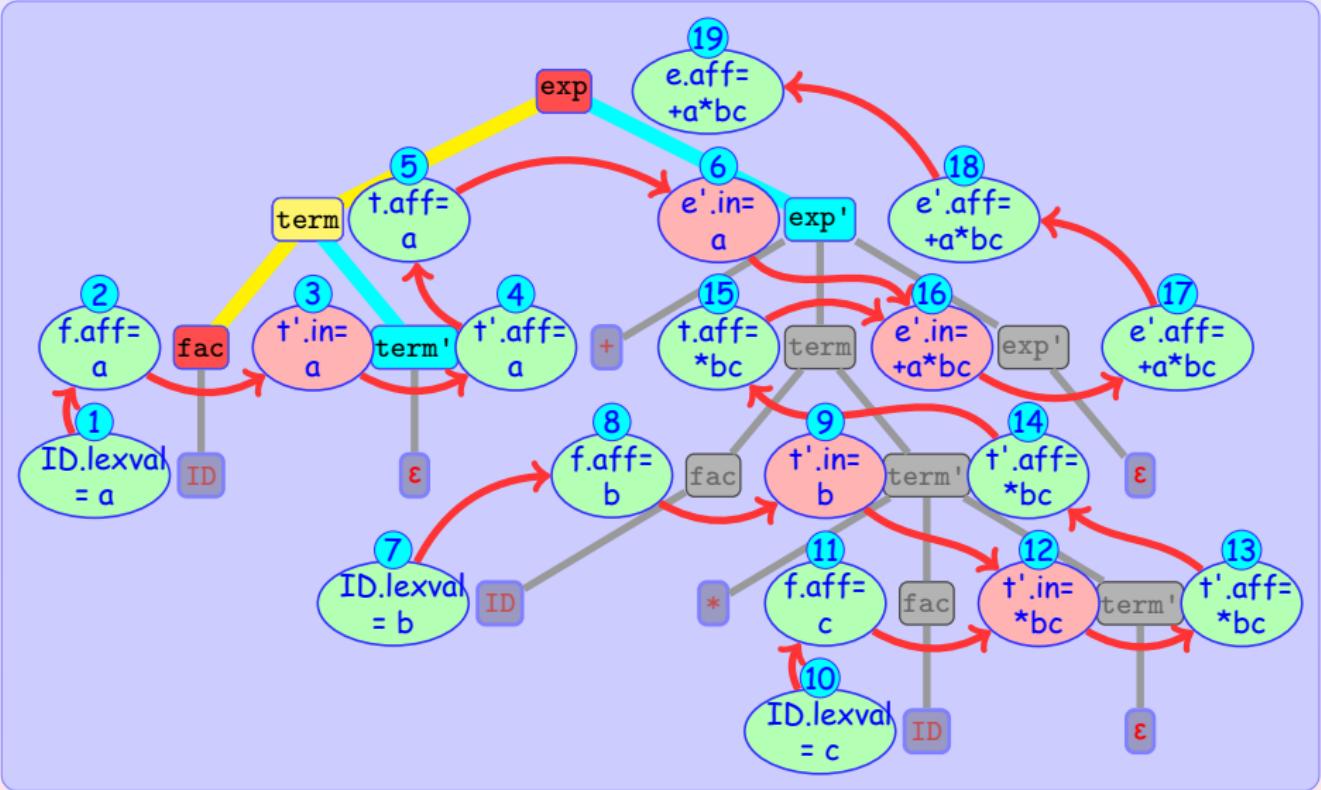
Example --- L 属性的求解次序与递归遍历相容.



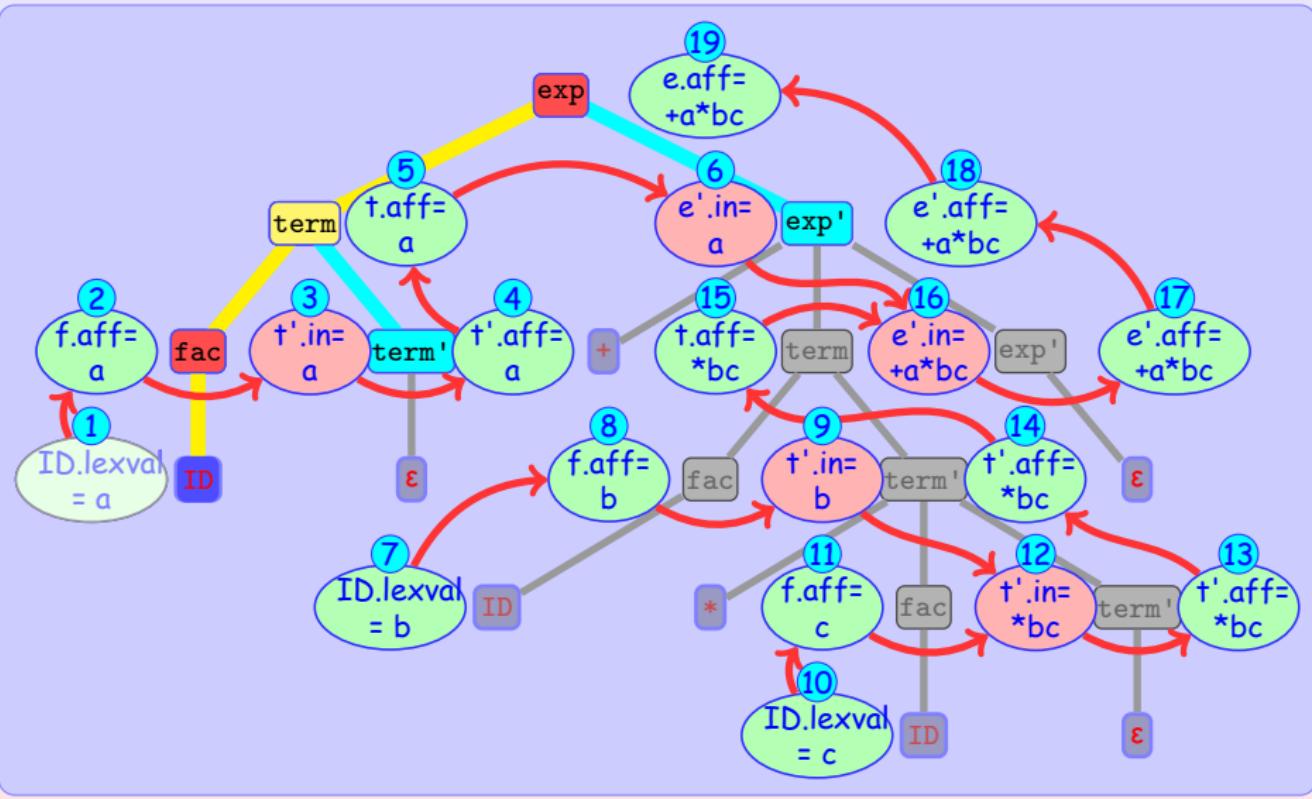
Example --- L 属性的求解次序与递归遍历相容.



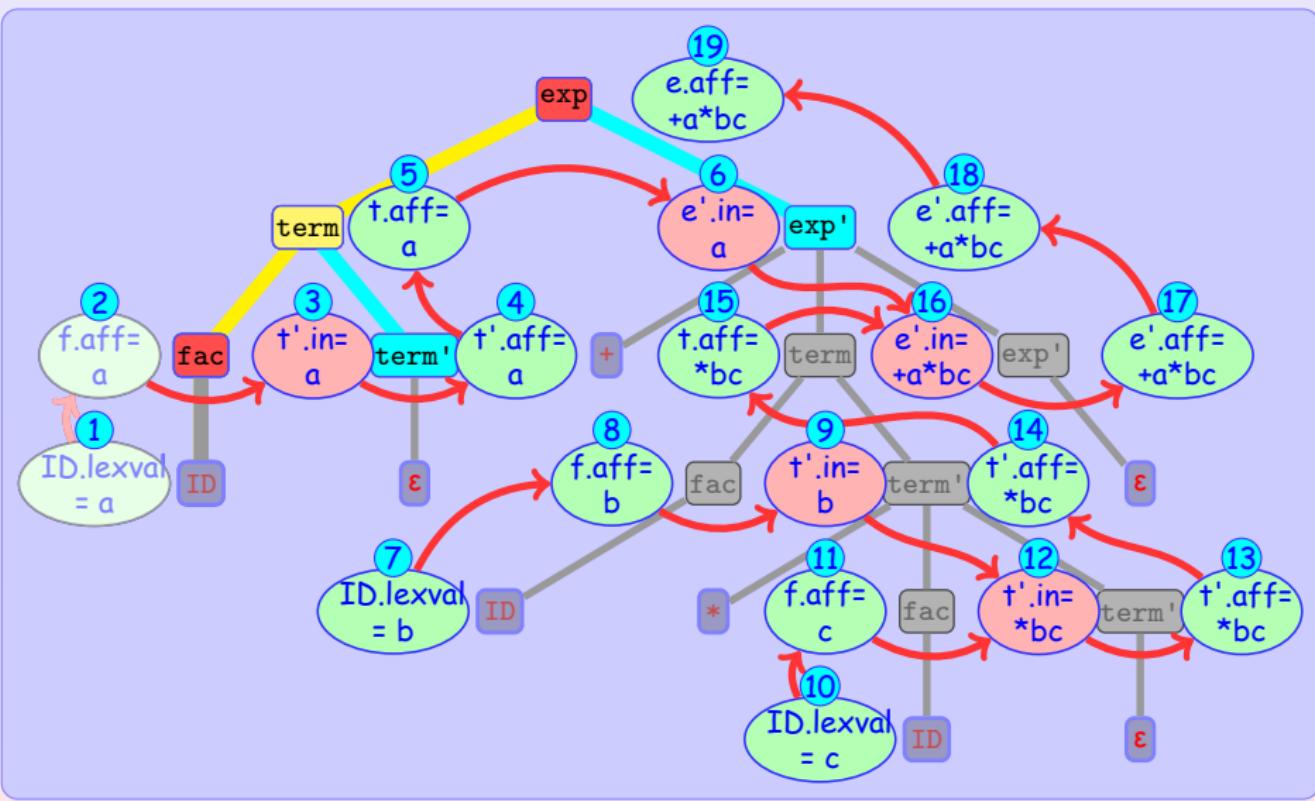
Example --- L 属性的求解次序与递归遍历相容.



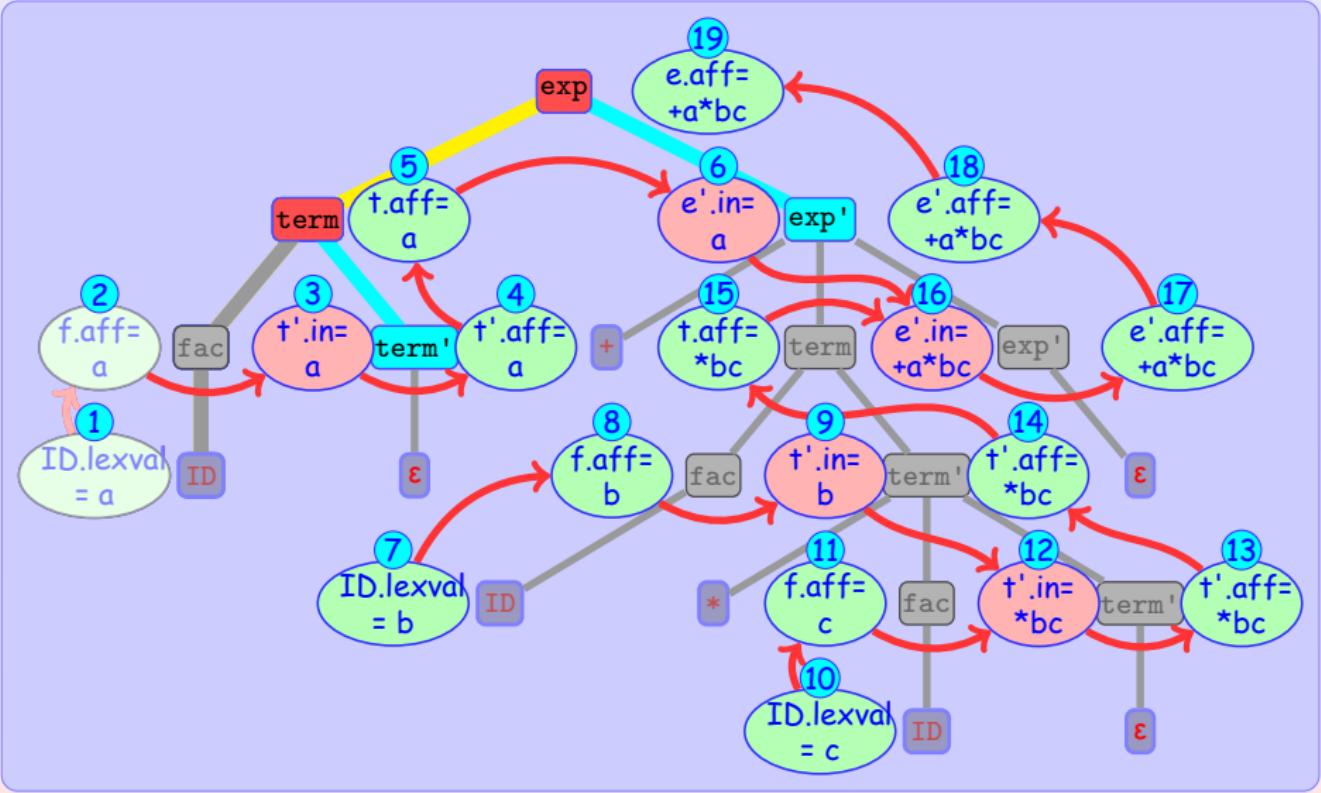
Example --- L 属性的求解次序与递归遍历相容。



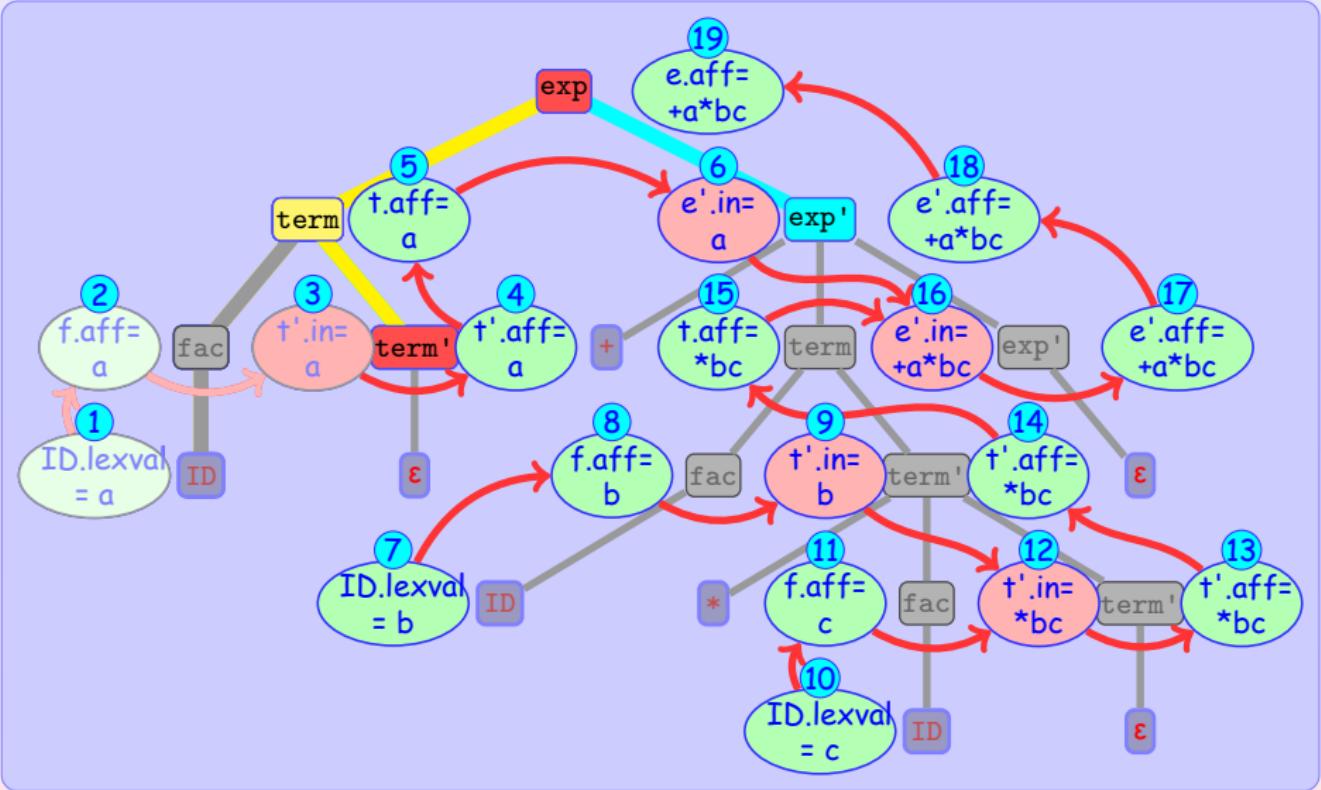
Example --- L 属性的求解次序与递归遍历相容。



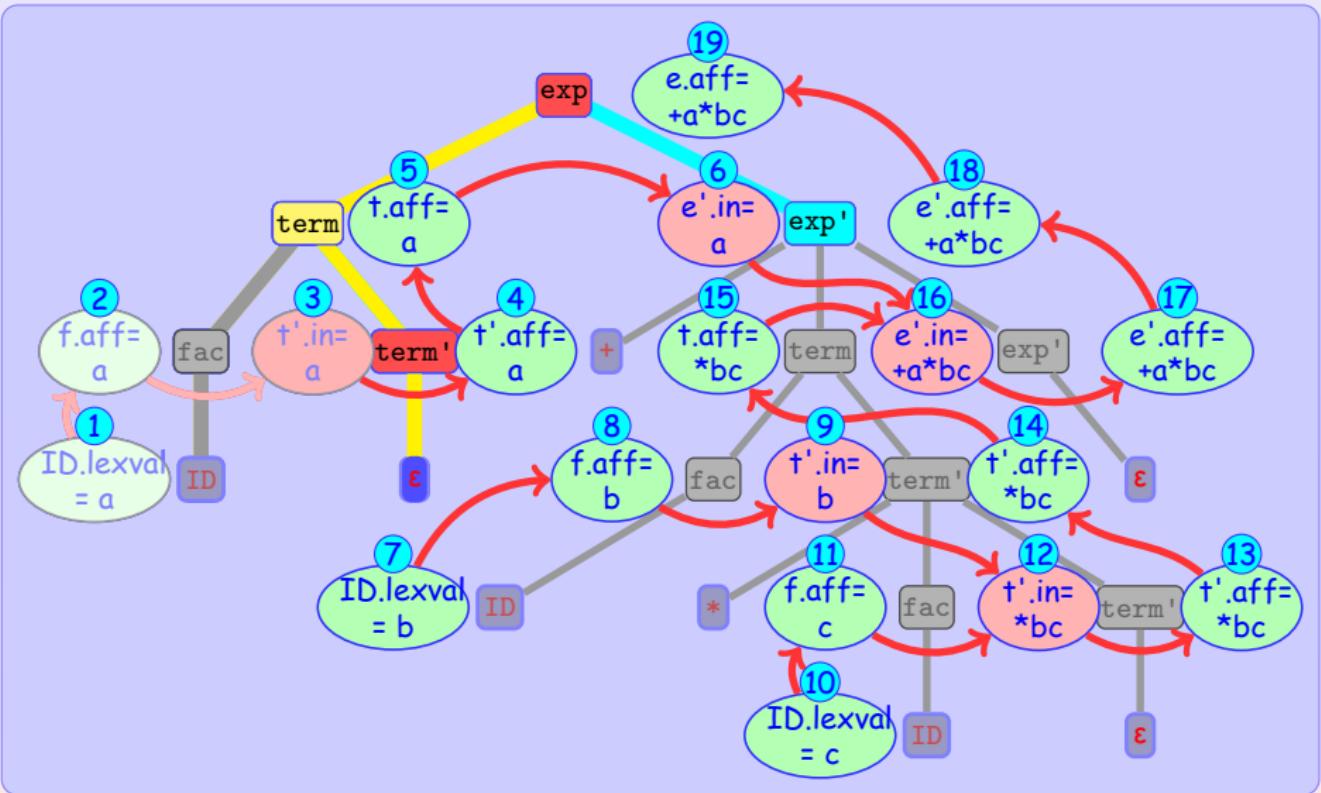
Example --- L 属性的求解次序与递归遍历相容.



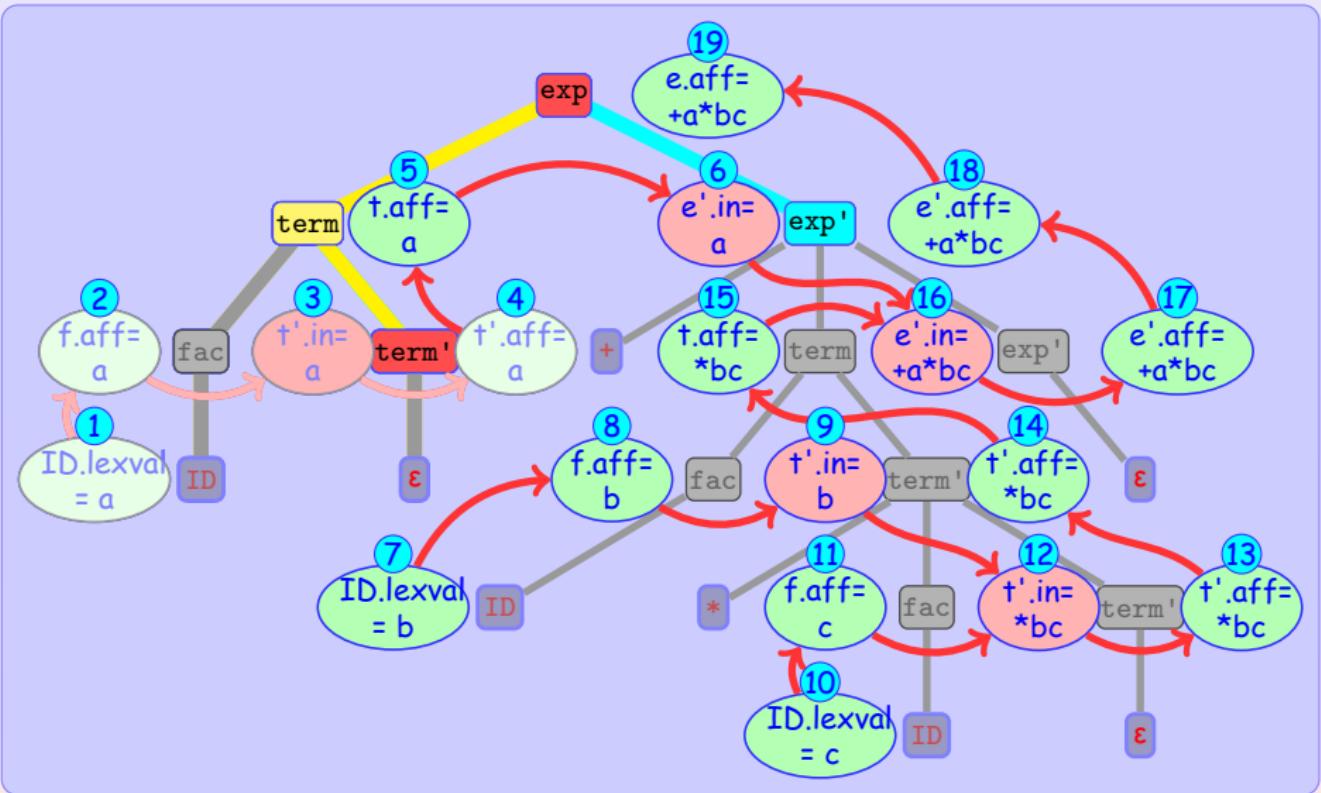
Example --- L 属性的求解次序与递归遍历相容.



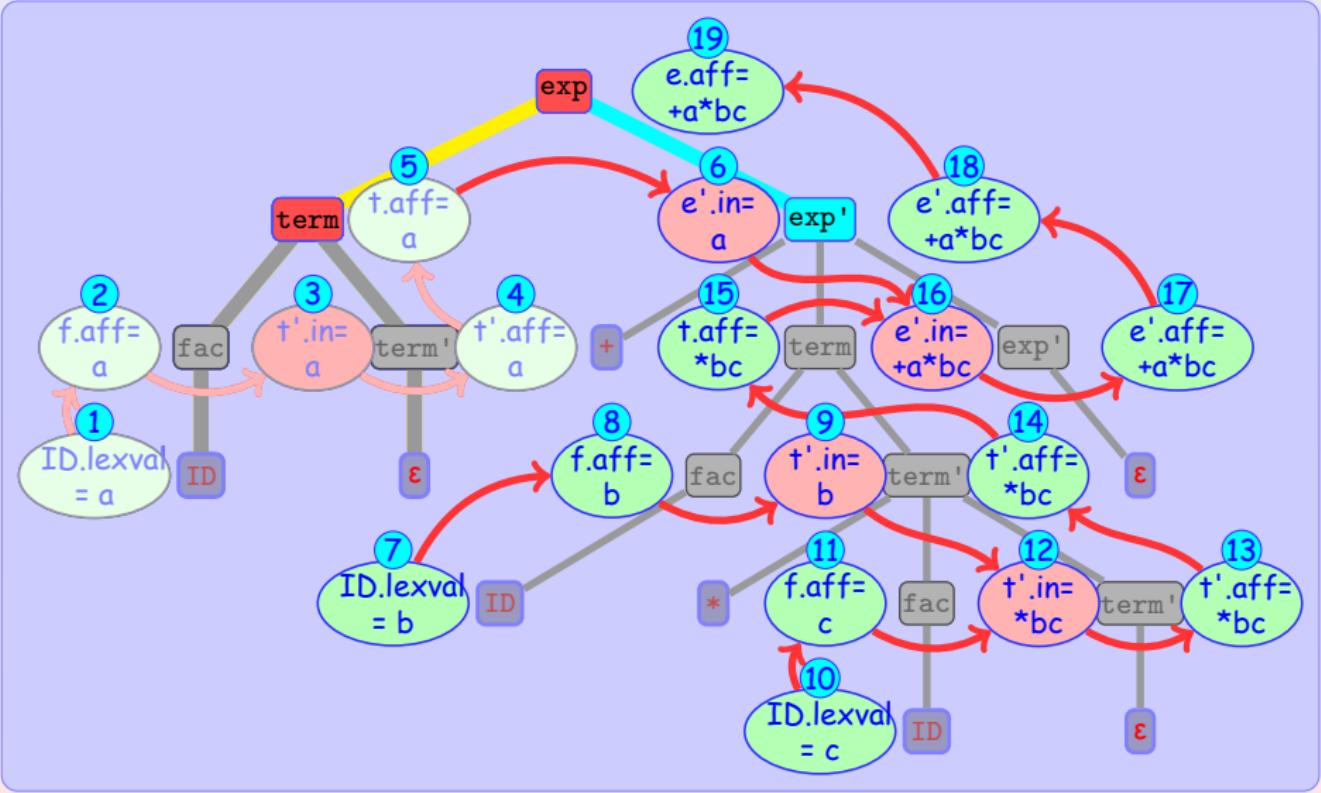
Example --- L 属性的求解次序与递归遍历相容.



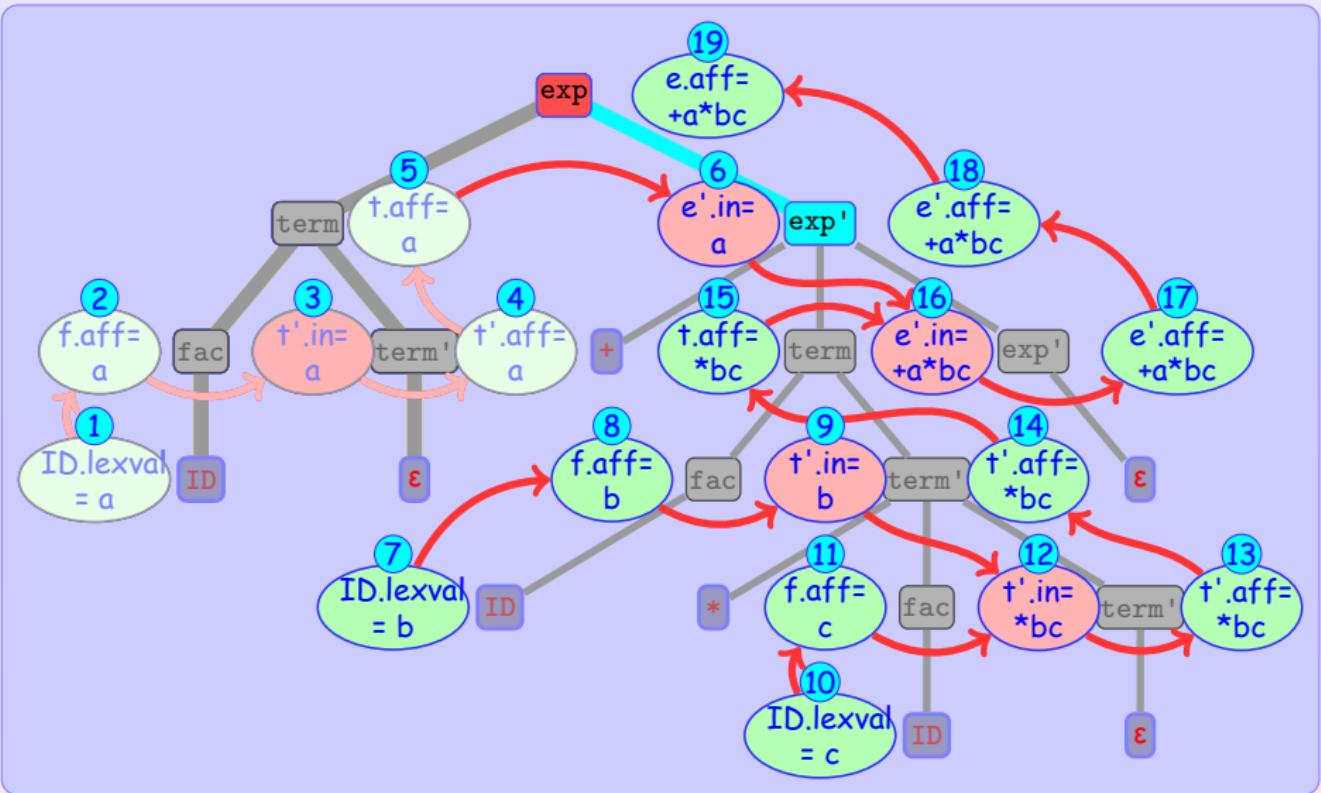
Example --- L 属性的求解次序与递归遍历相容.



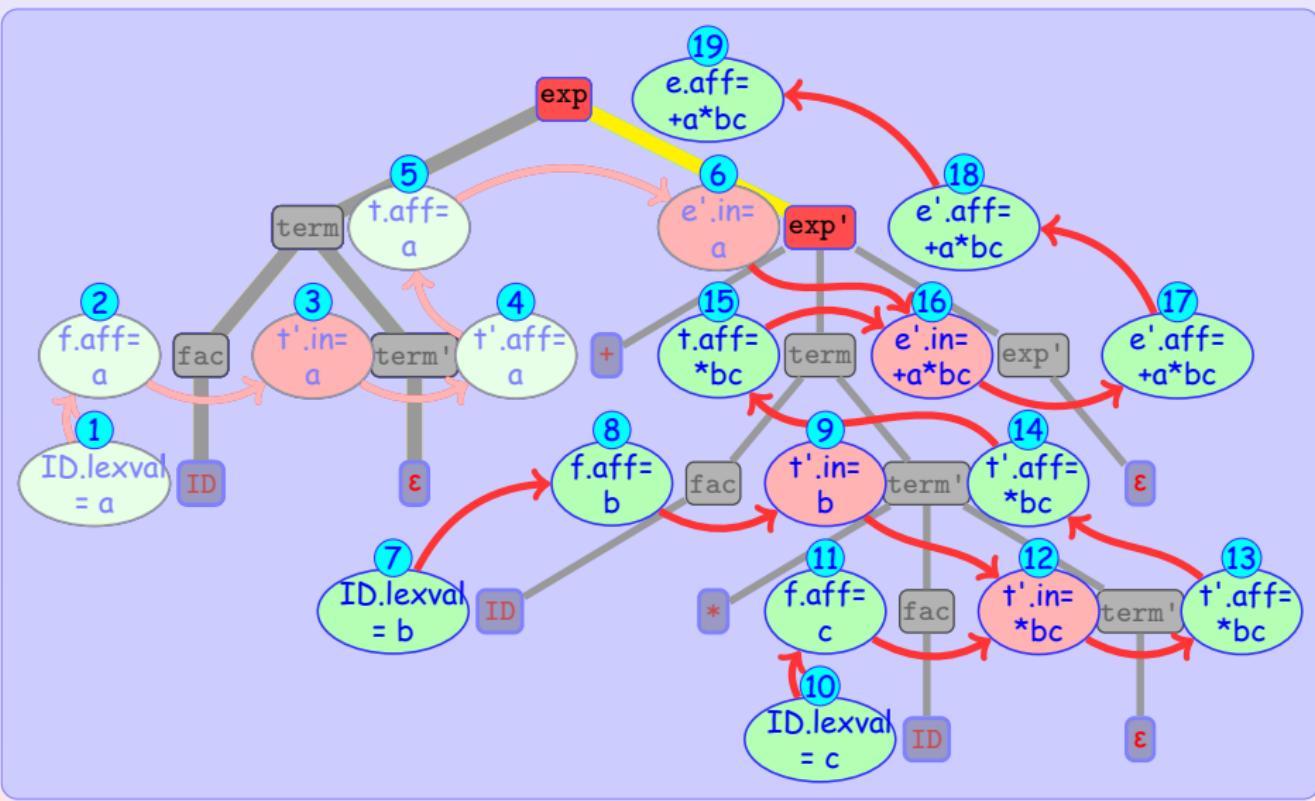
Example --- L 属性的求解次序与递归遍历相容.



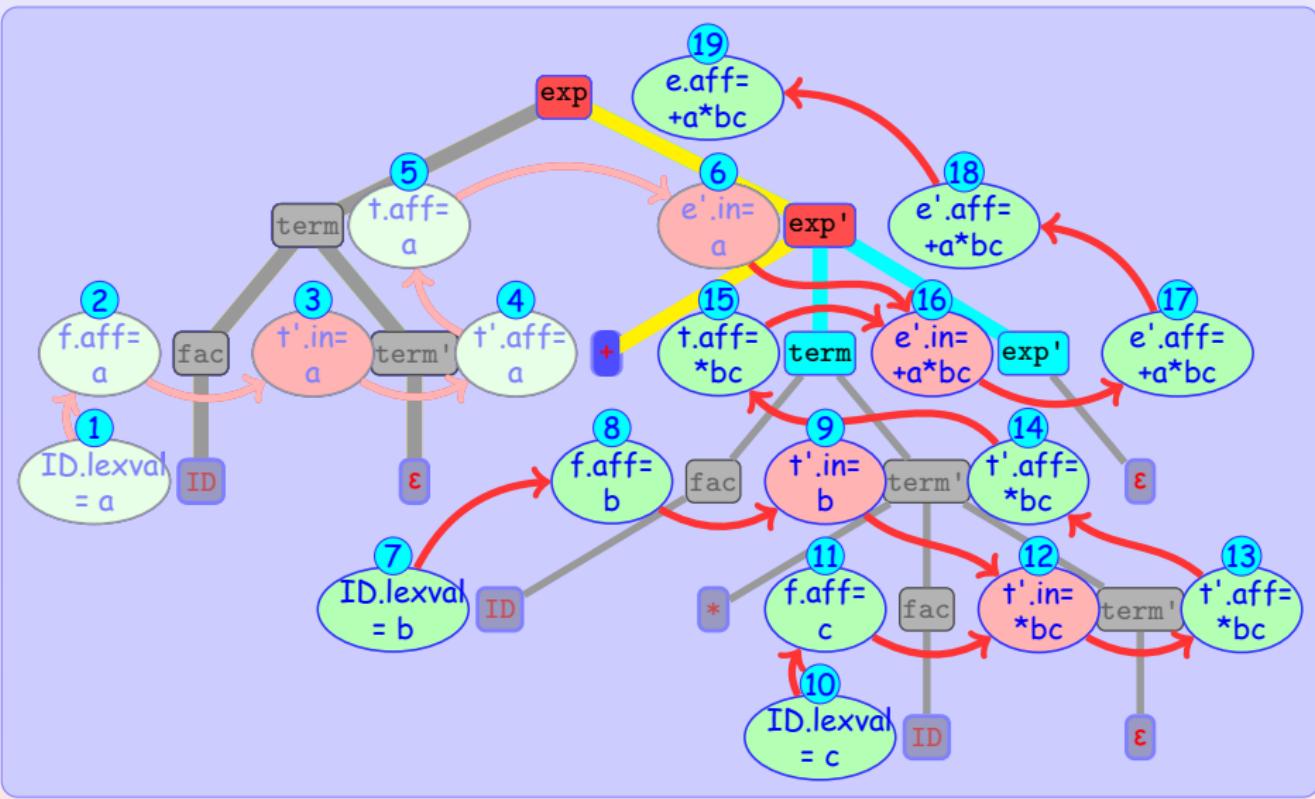
Example --- L 属性的求解次序与递归遍历相容.



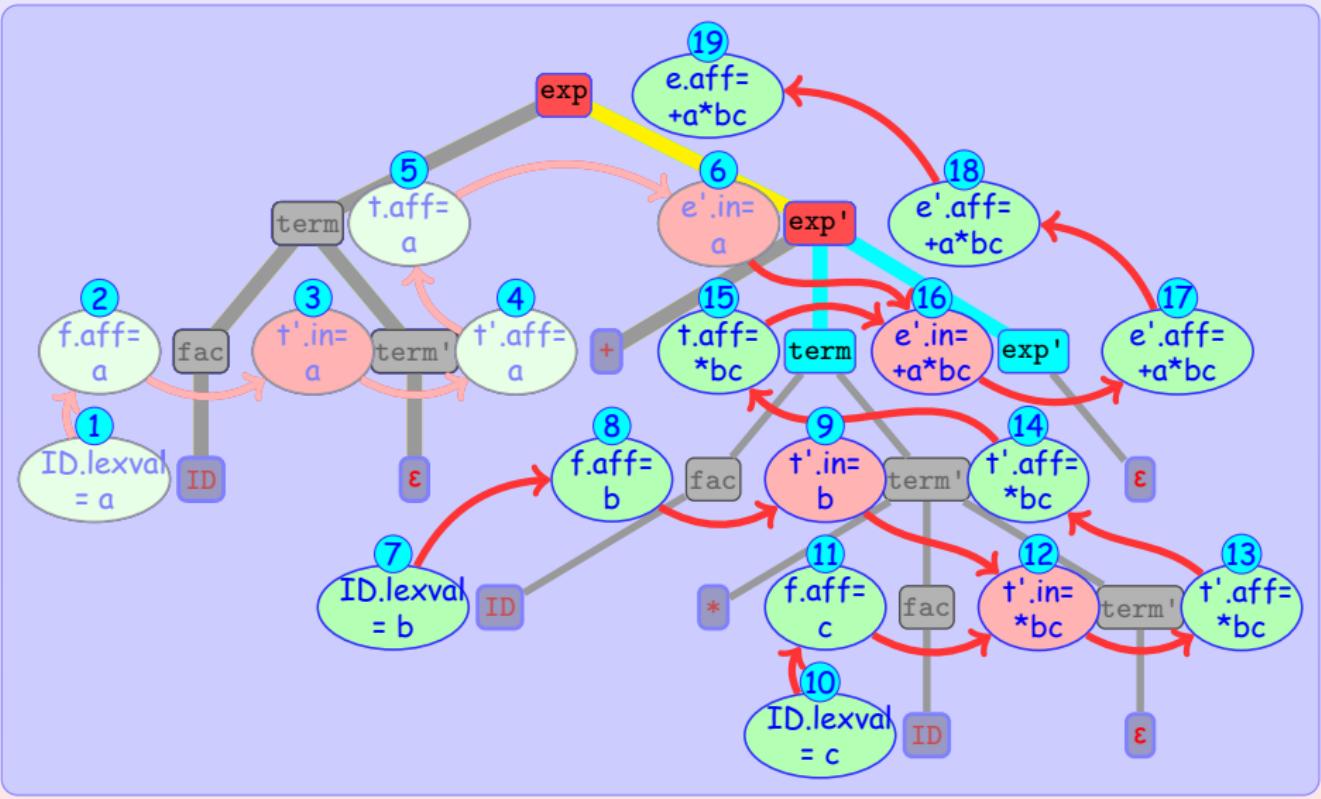
Example --- L 属性的求解次序与递归遍历相容。



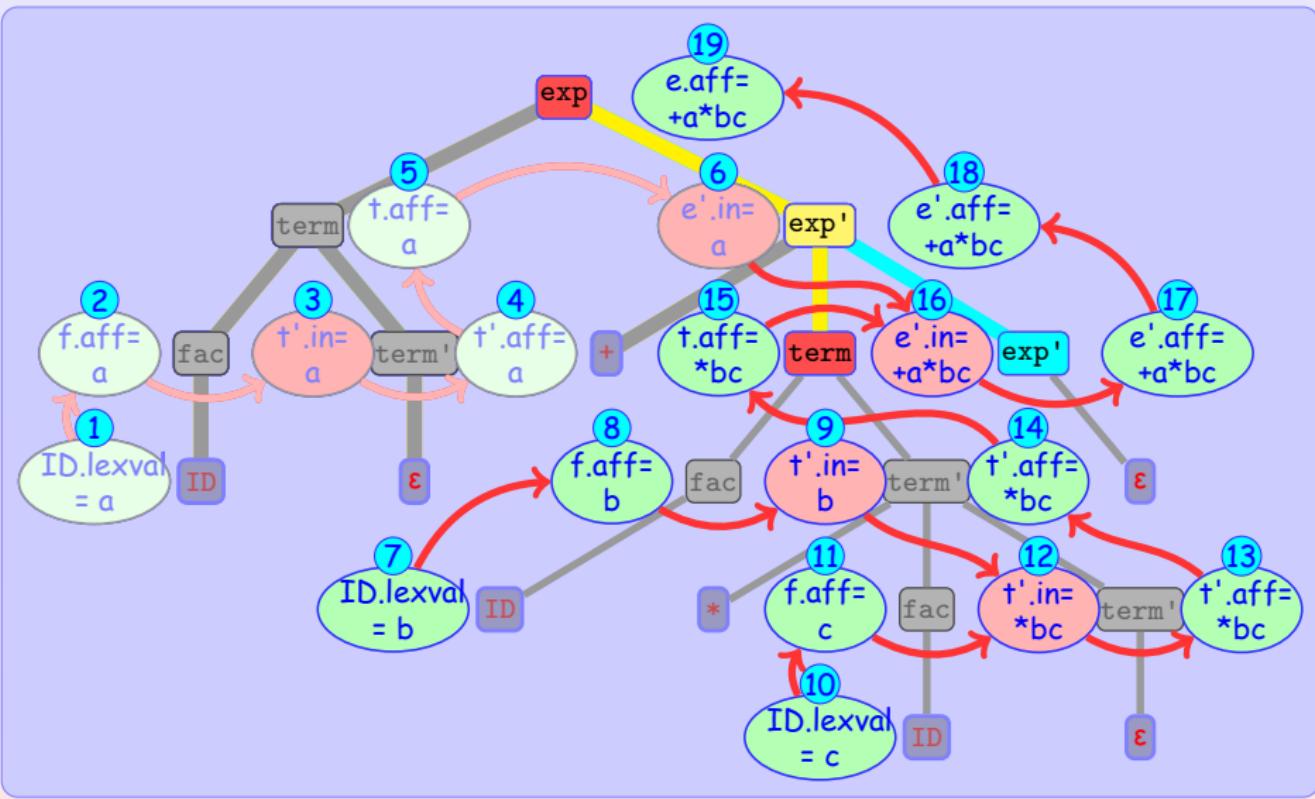
Example --- L 属性的求解次序与递归遍历相容。



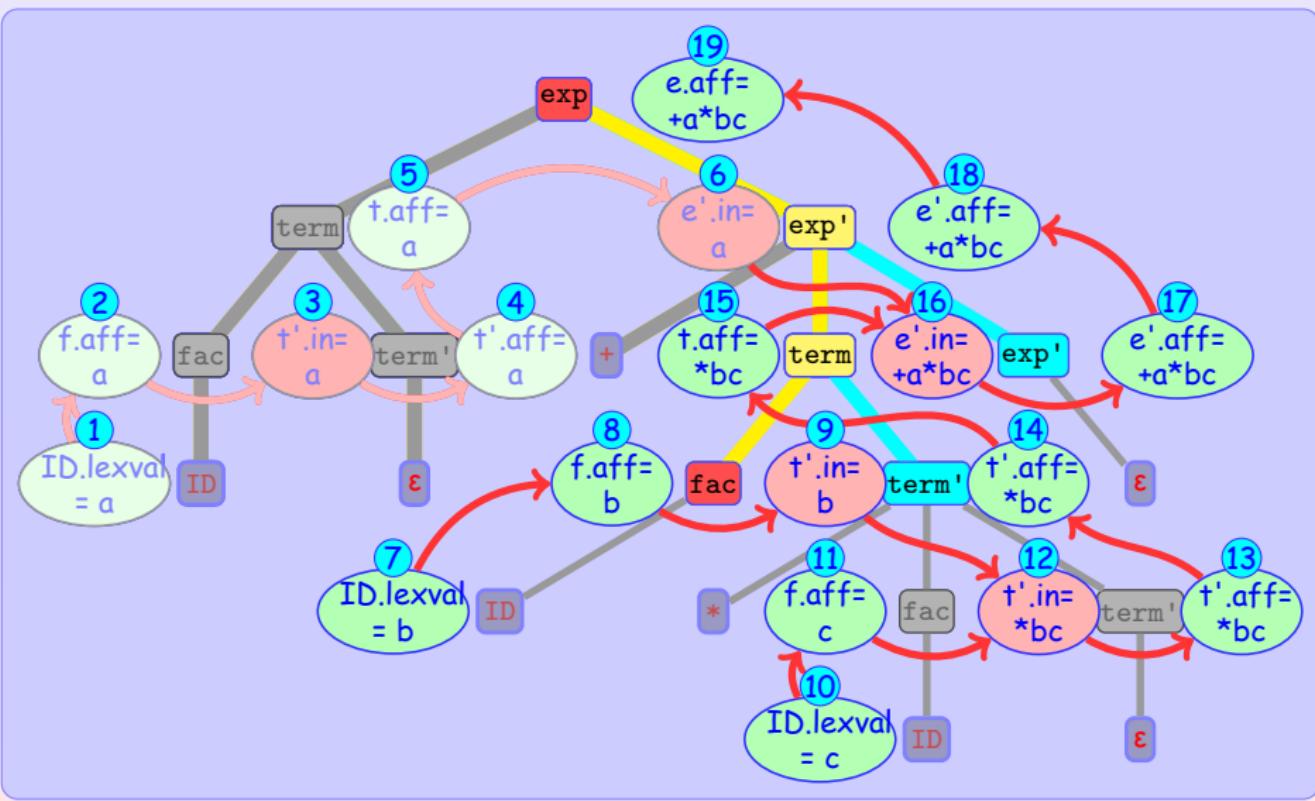
Example --- L 属性的求解次序与递归遍历相容.



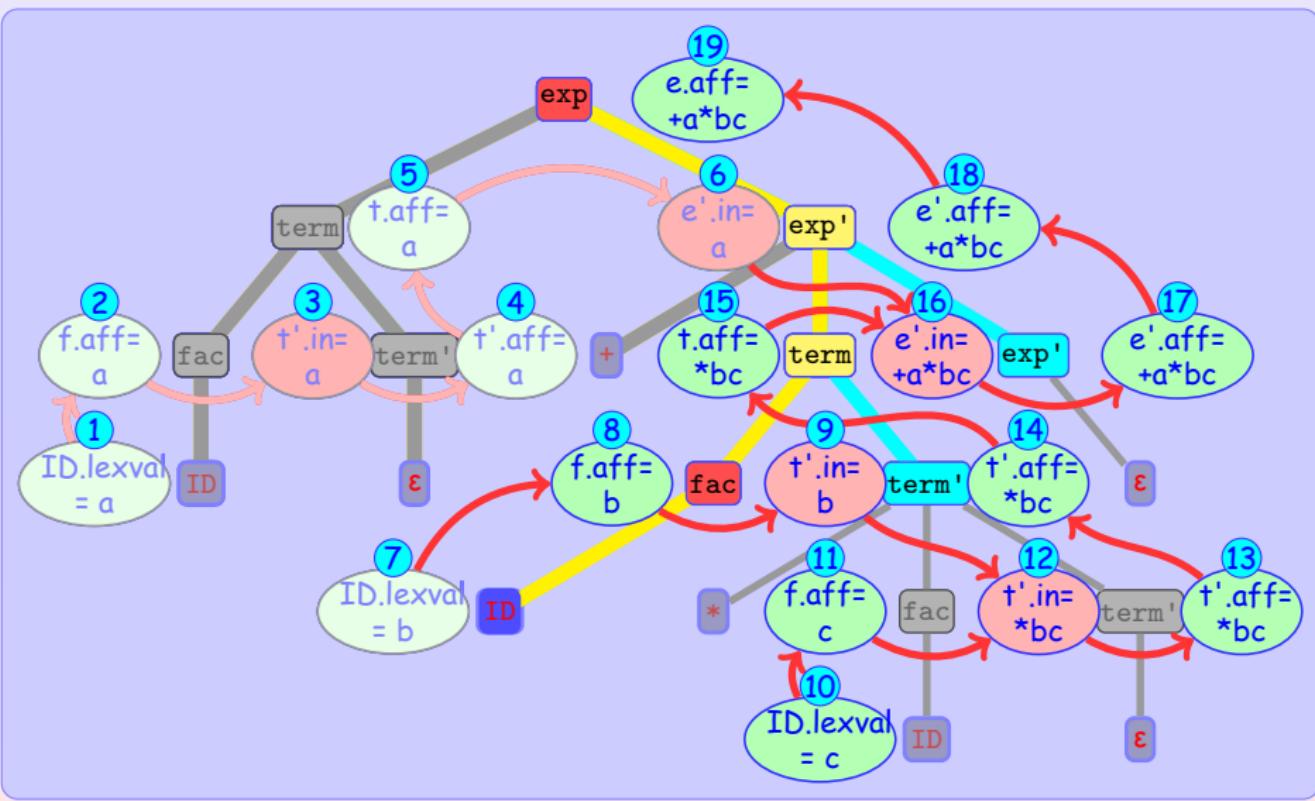
Example --- L 属性的求解次序与递归遍历相容。



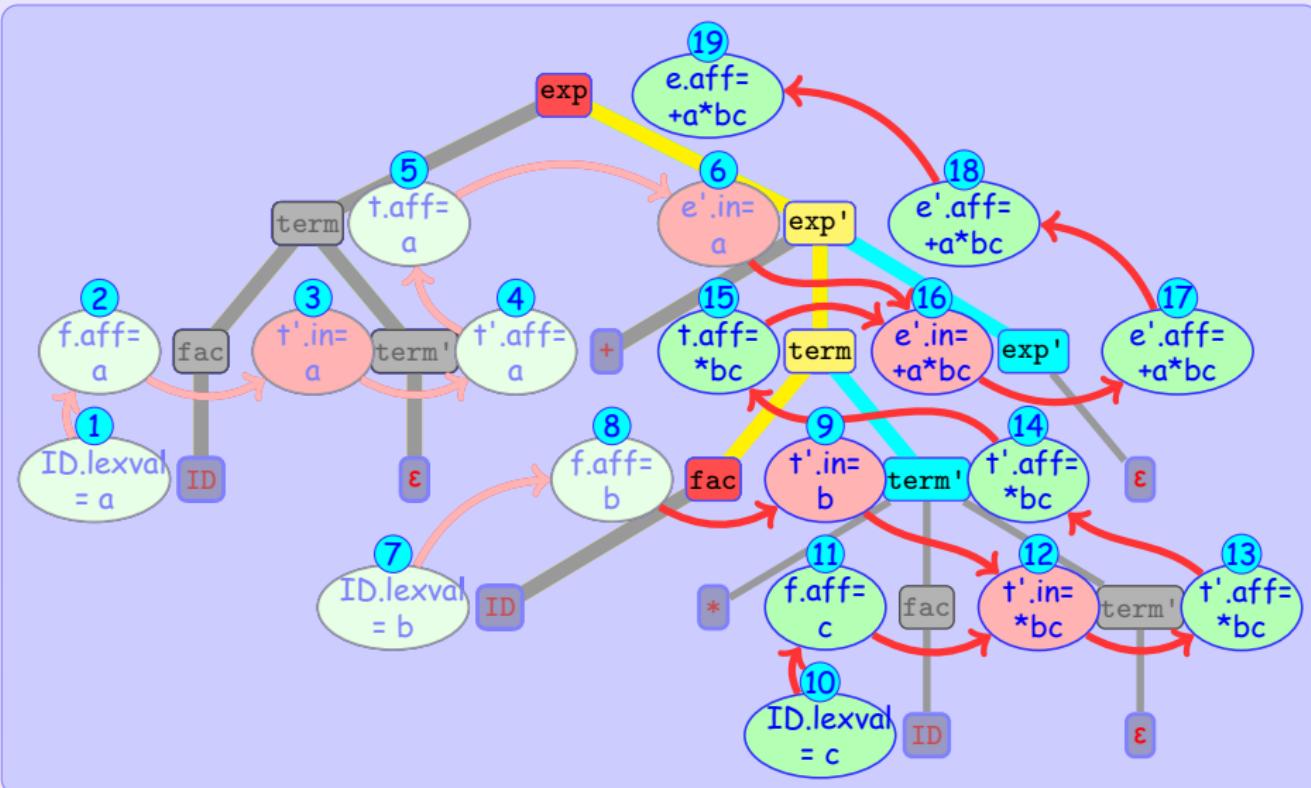
Example --- L 属性的求解次序与递归遍历相容。



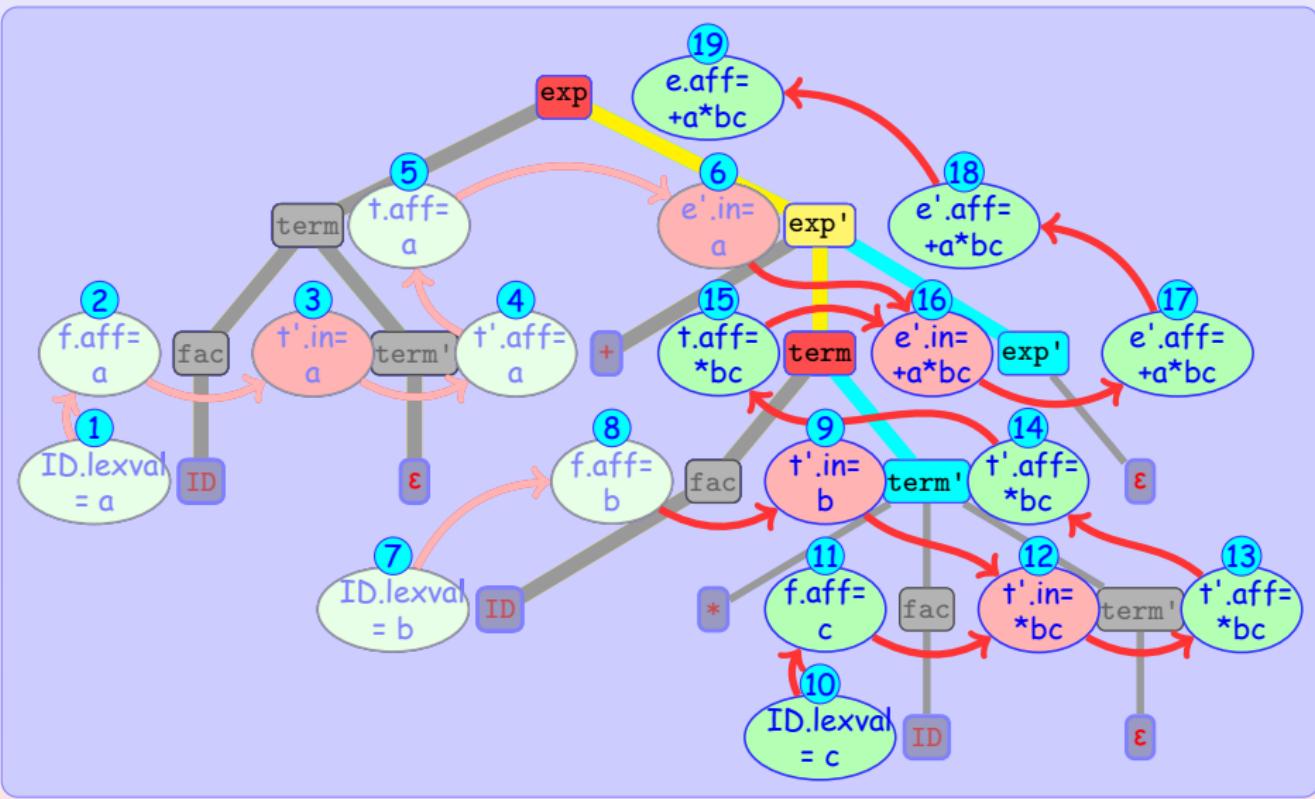
Example --- L 属性的求解次序与递归遍历相容。



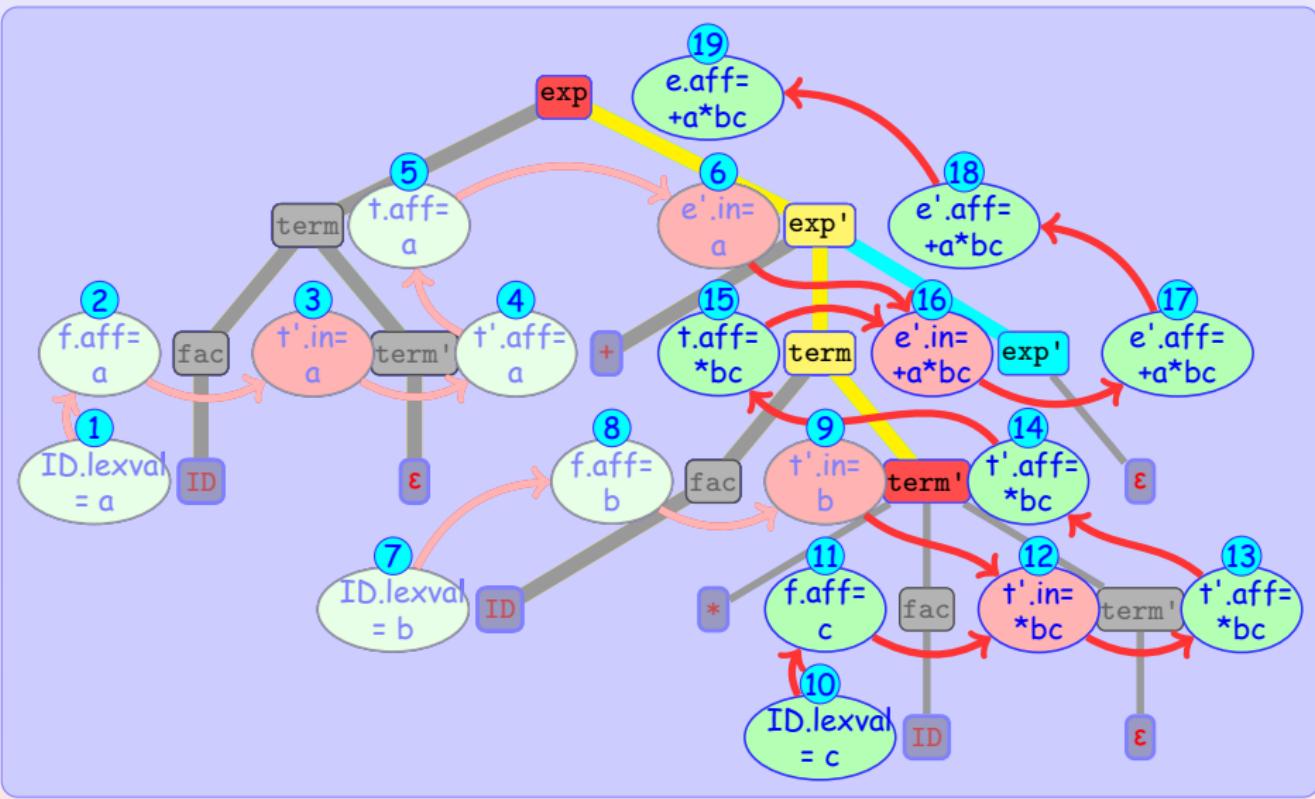
Example --- L 属性的求解次序与递归遍历相容。



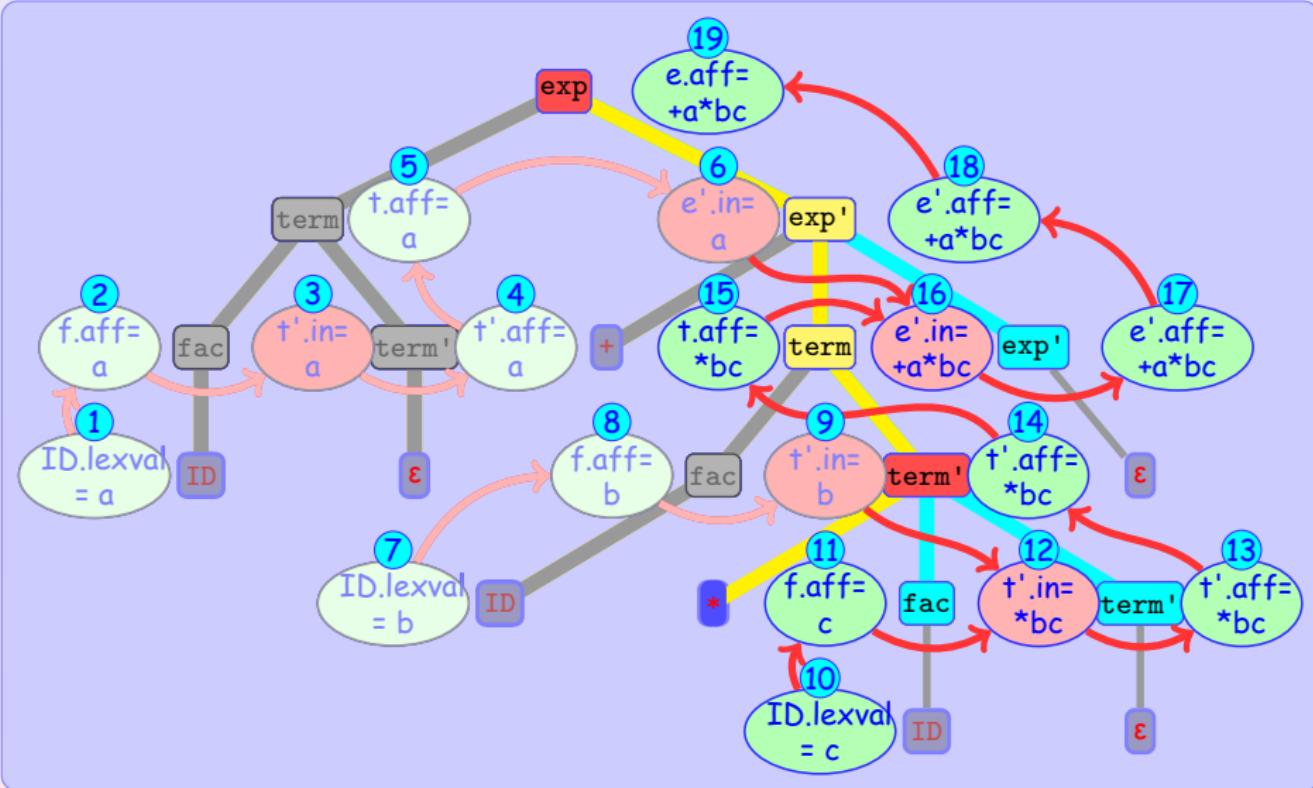
Example --- L 属性的求解次序与递归遍历相容。



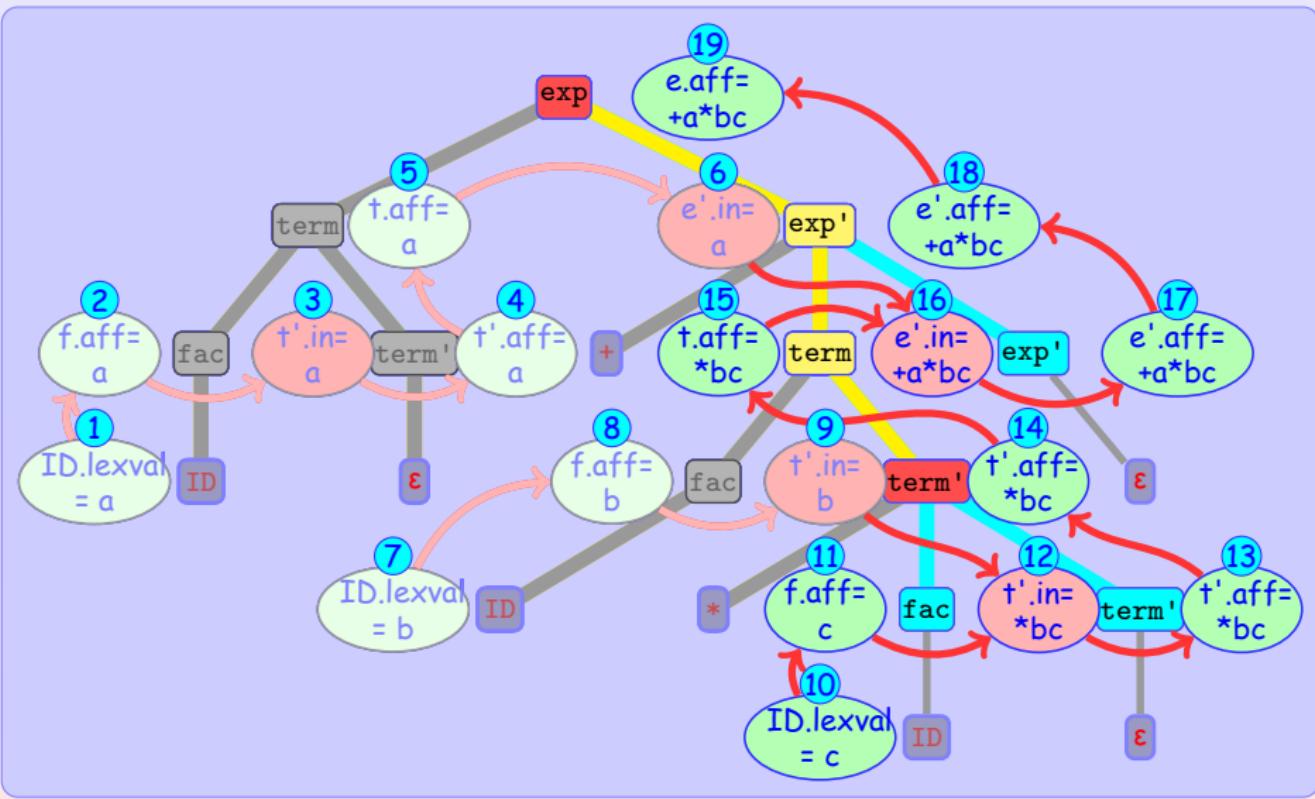
Example --- L 属性的求解次序与递归遍历相容。



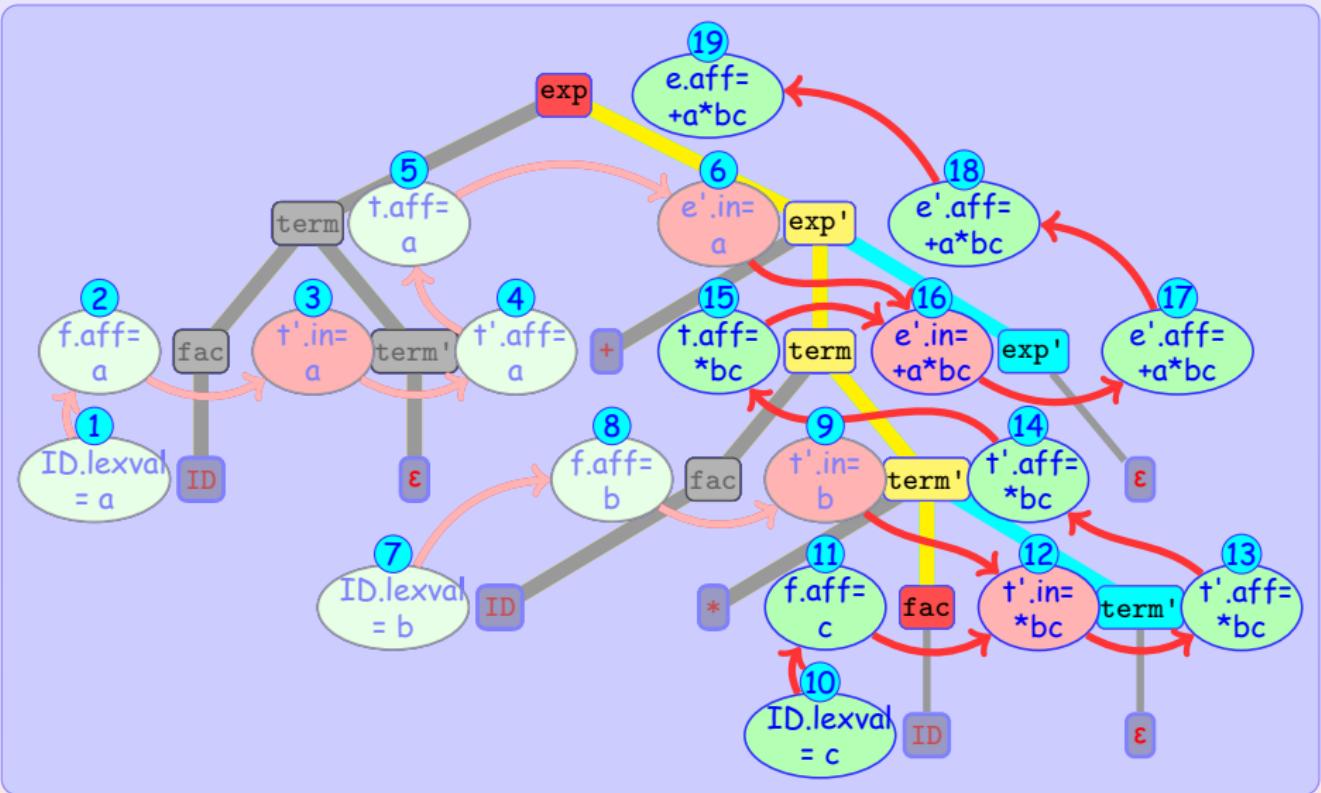
Example --- L 属性的求解次序与递归遍历相容.



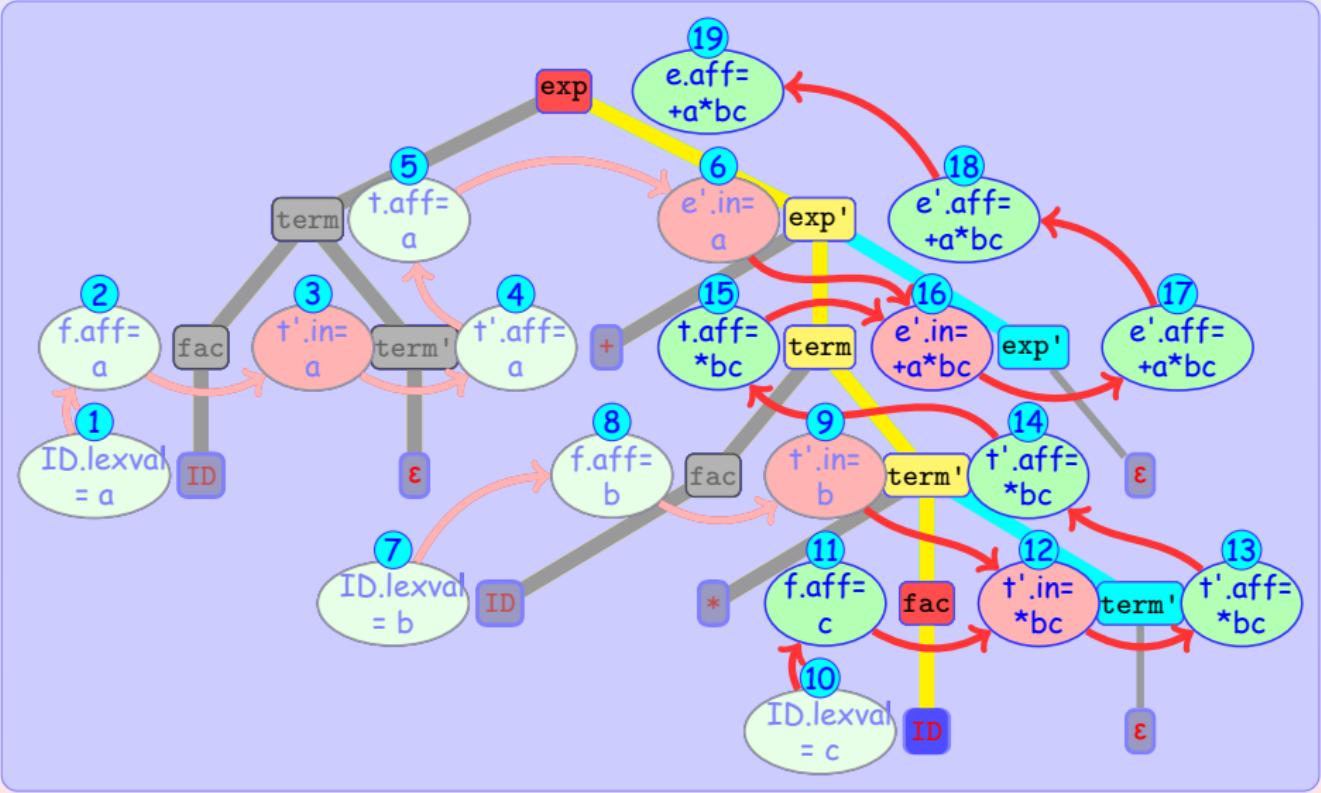
Example --- L 属性的求解次序与递归遍历相容。



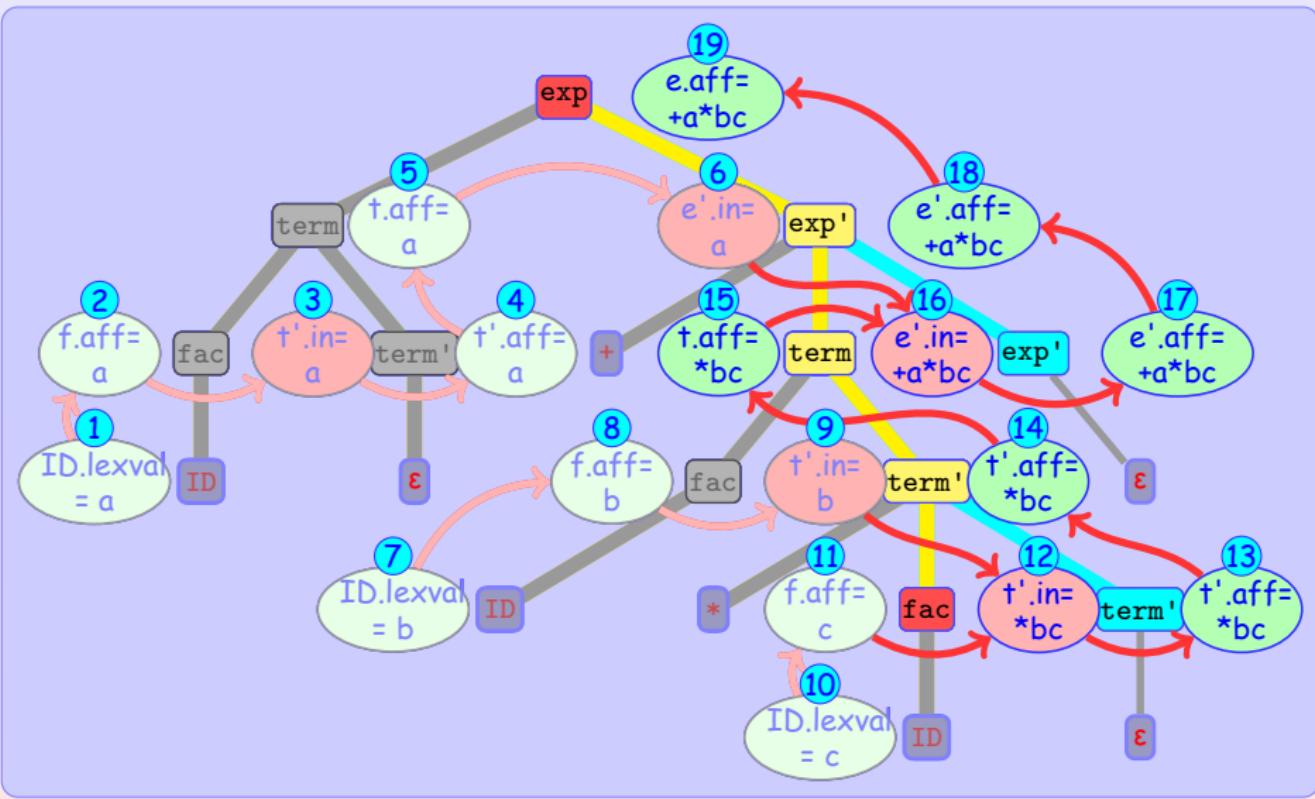
Example --- L 属性的求解次序与递归遍历相容.



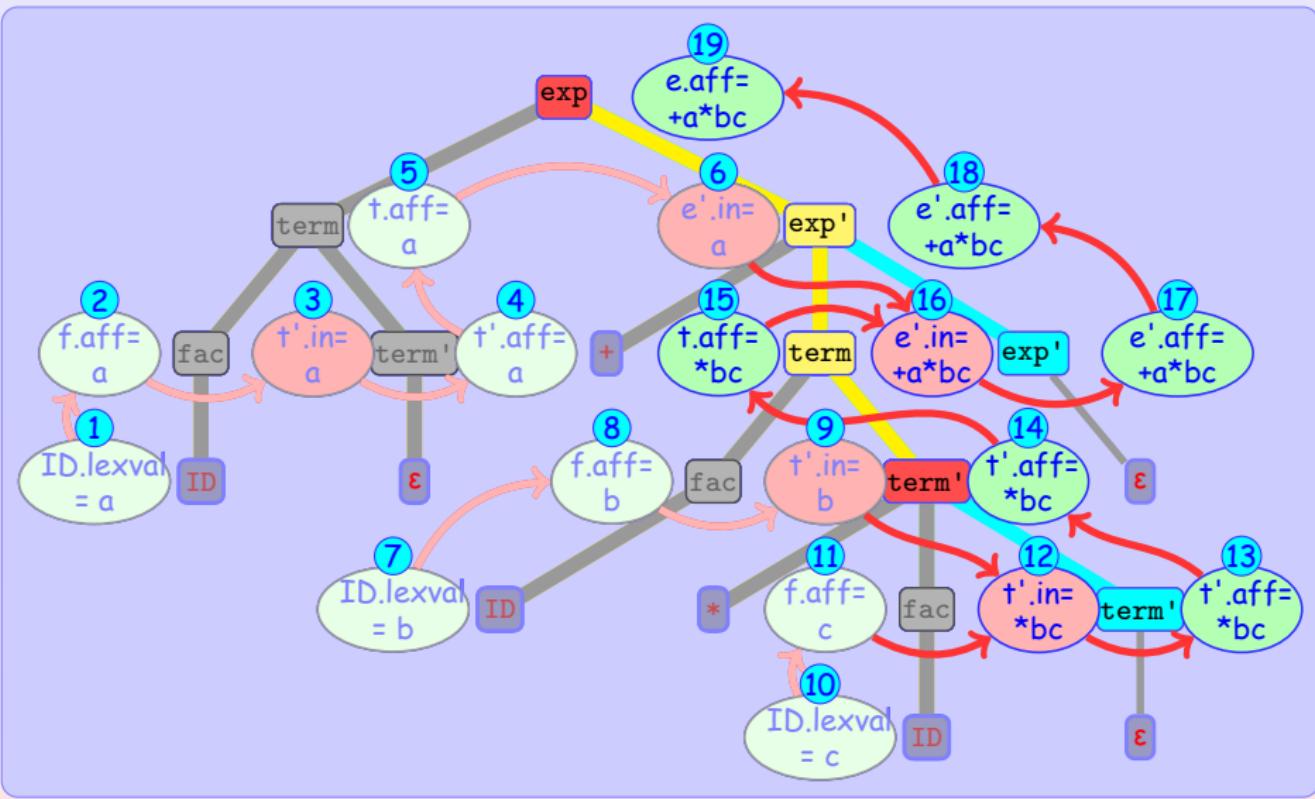
Example --- L 属性的求解次序与递归遍历相容.



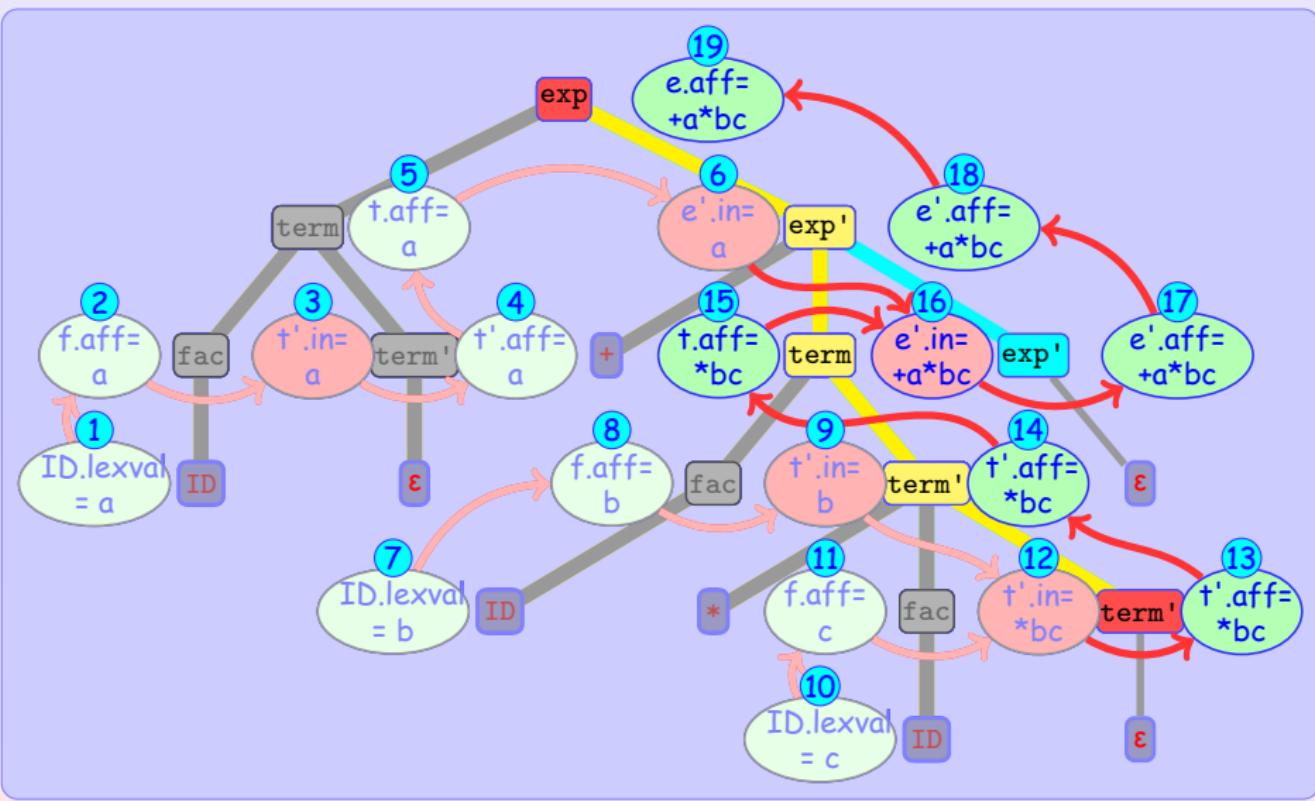
Example --- L 属性的求解次序与递归遍历相容。



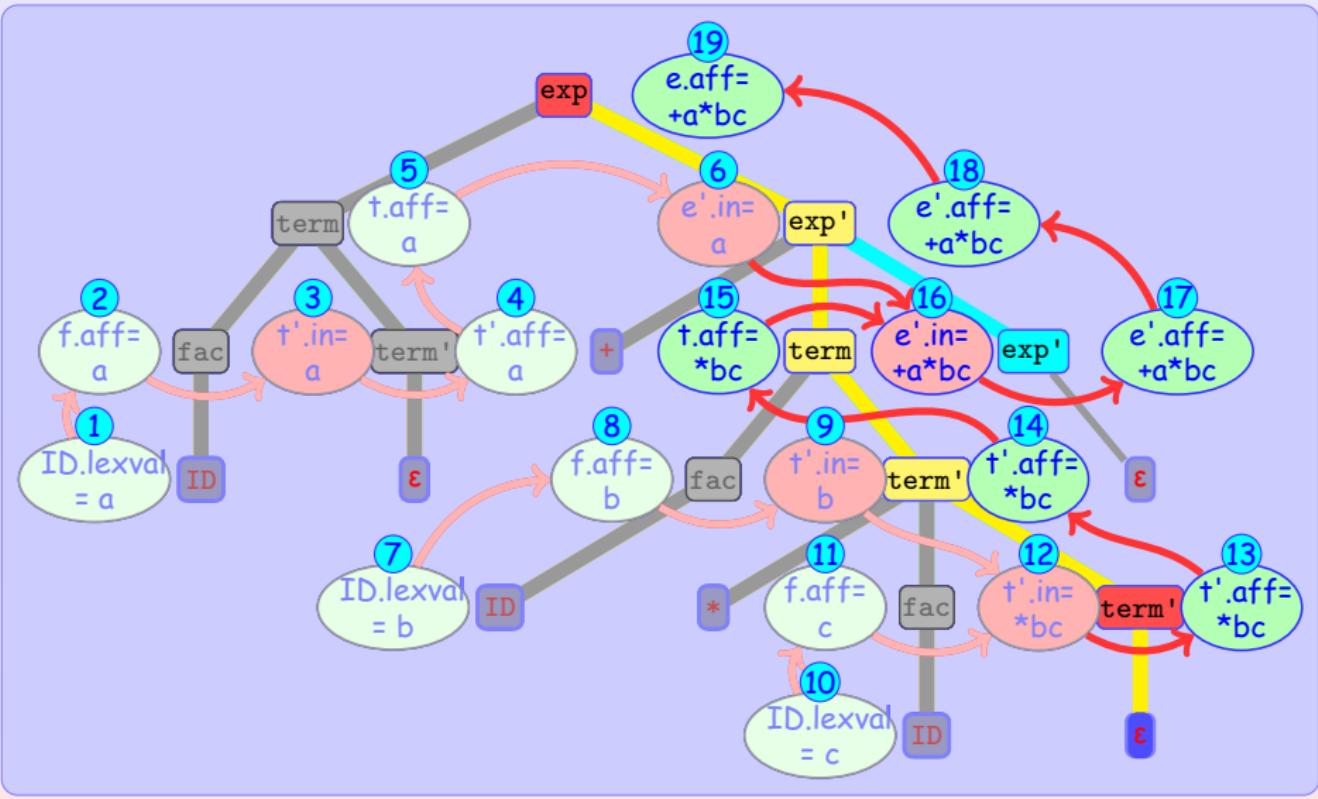
Example --- L 属性的求解次序与递归遍历相容。



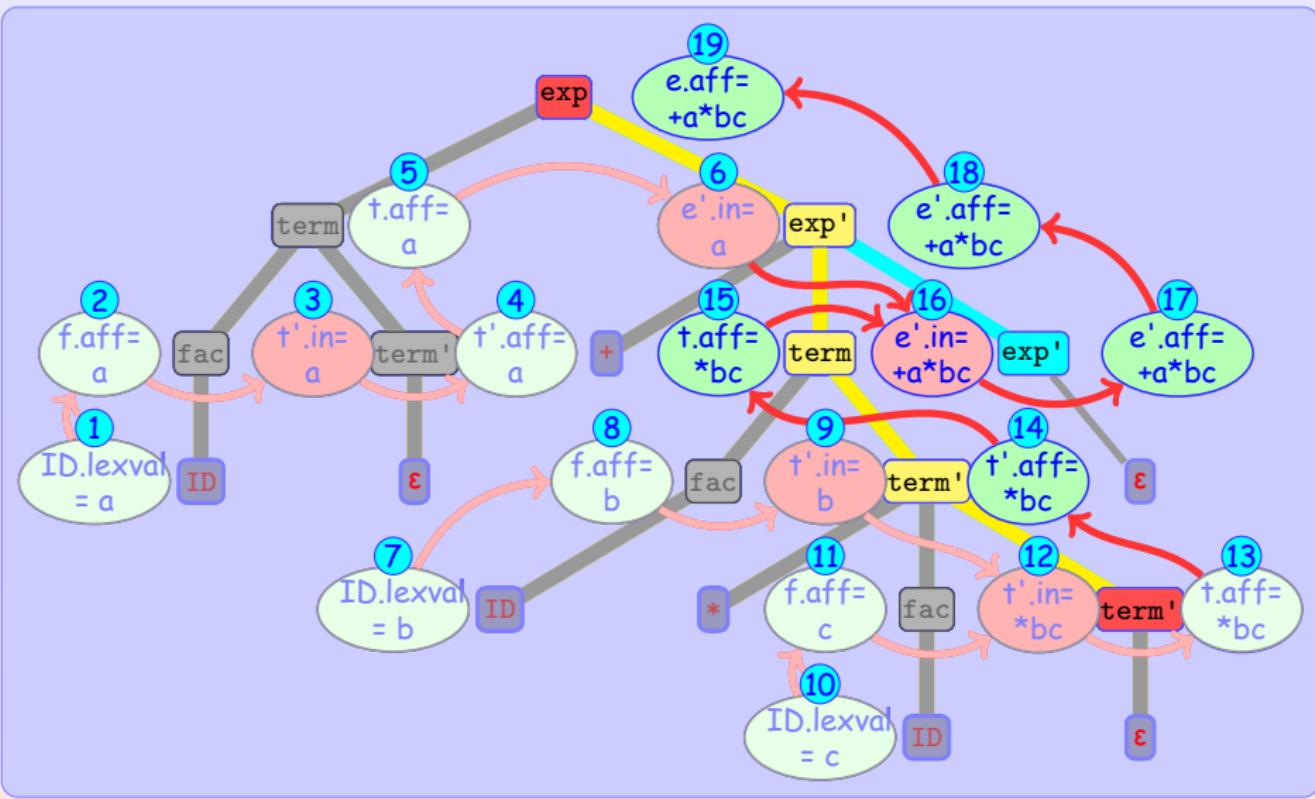
Example --- L 属性的求解次序与递归遍历相容。



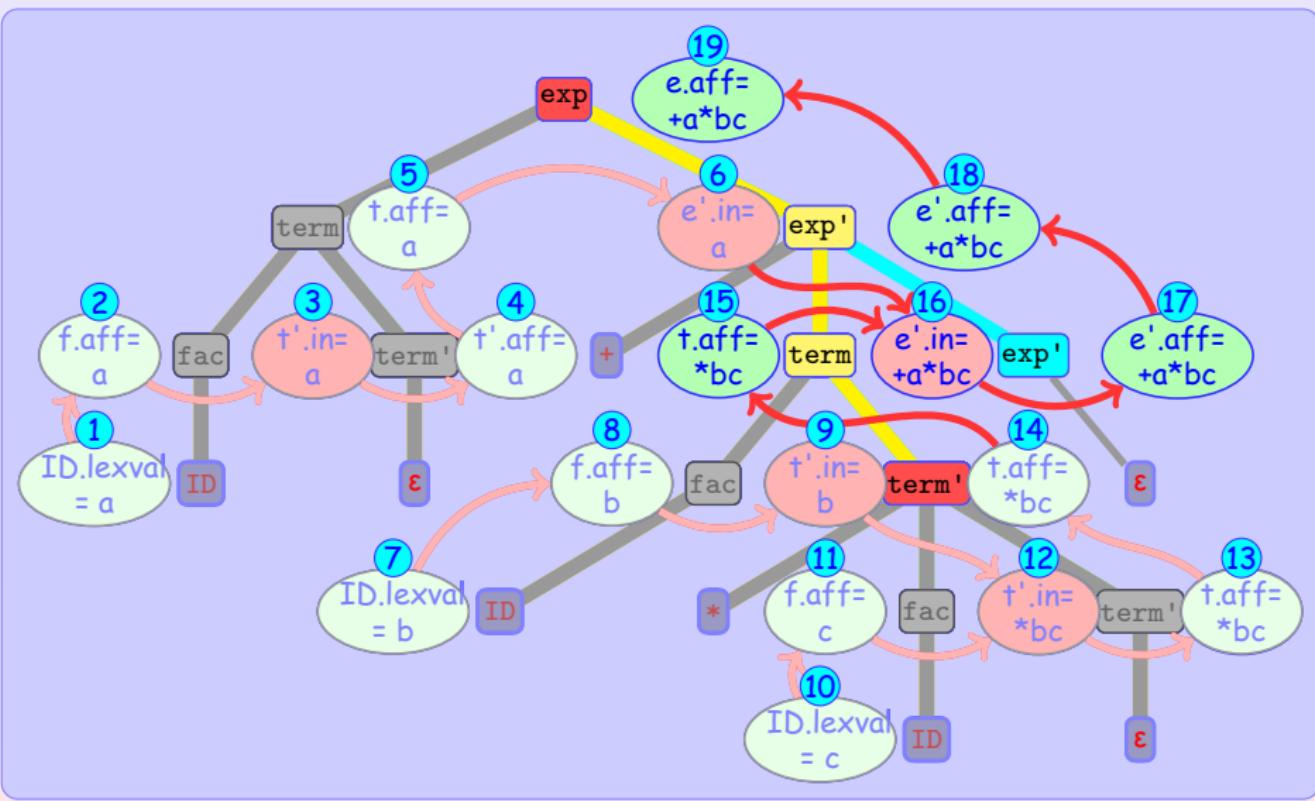
Example --- L 属性的求解次序与递归遍历相容。



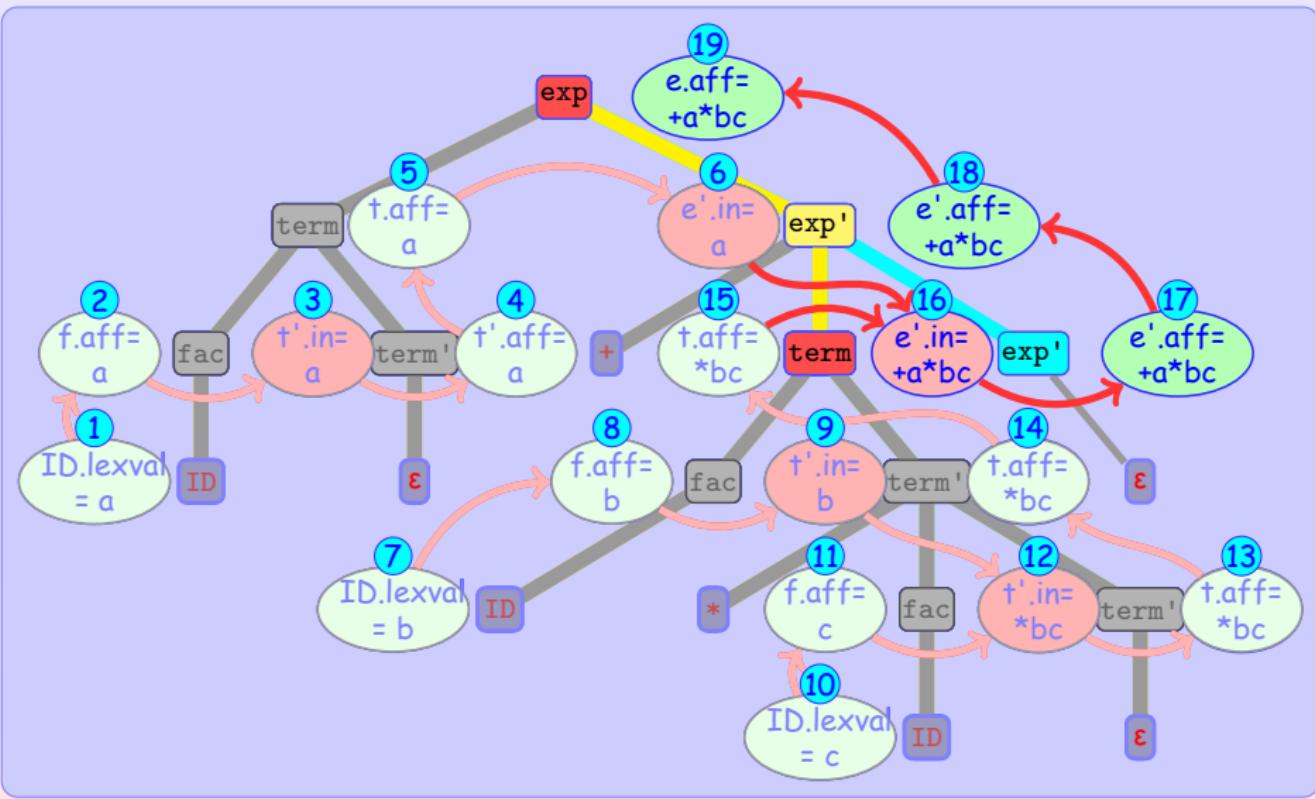
Example --- L 属性的求解次序与递归遍历相容。



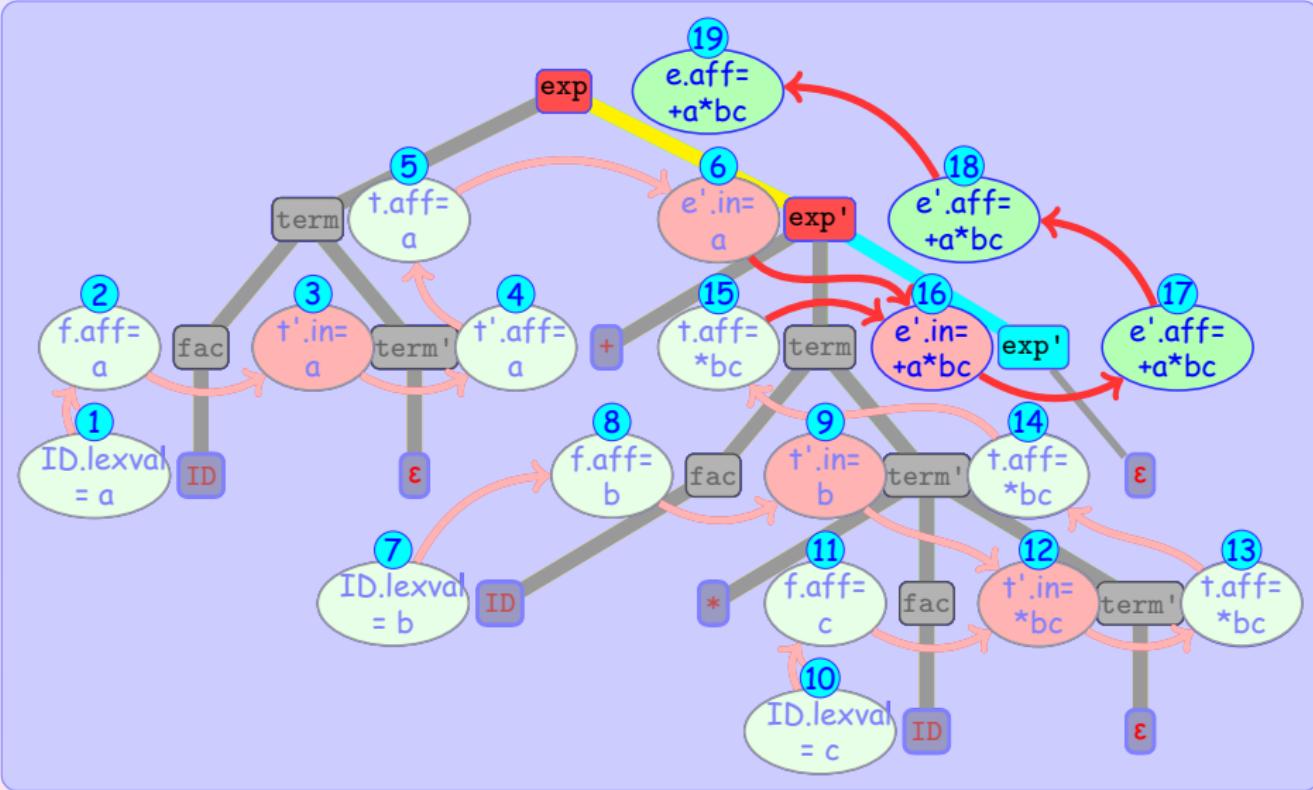
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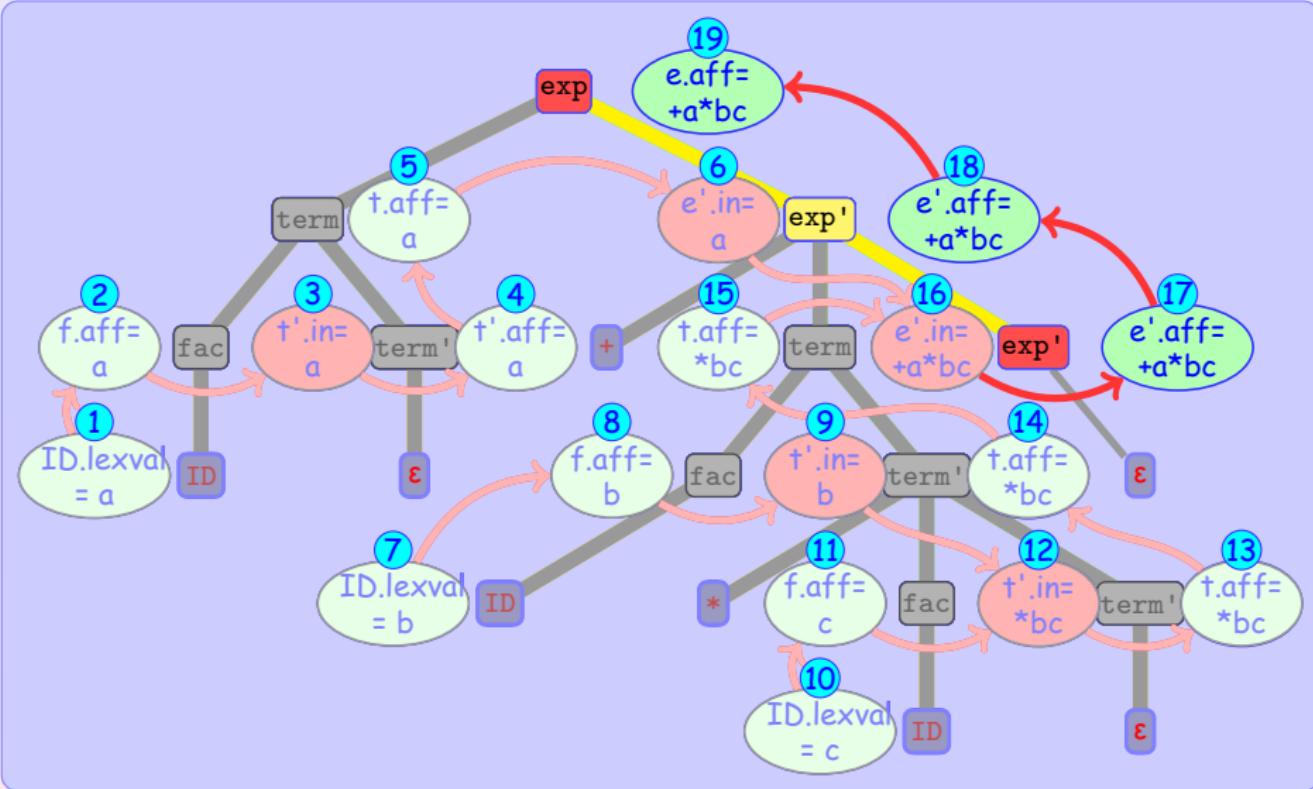
Example --- L 属性的求解次序与递归遍历相容。



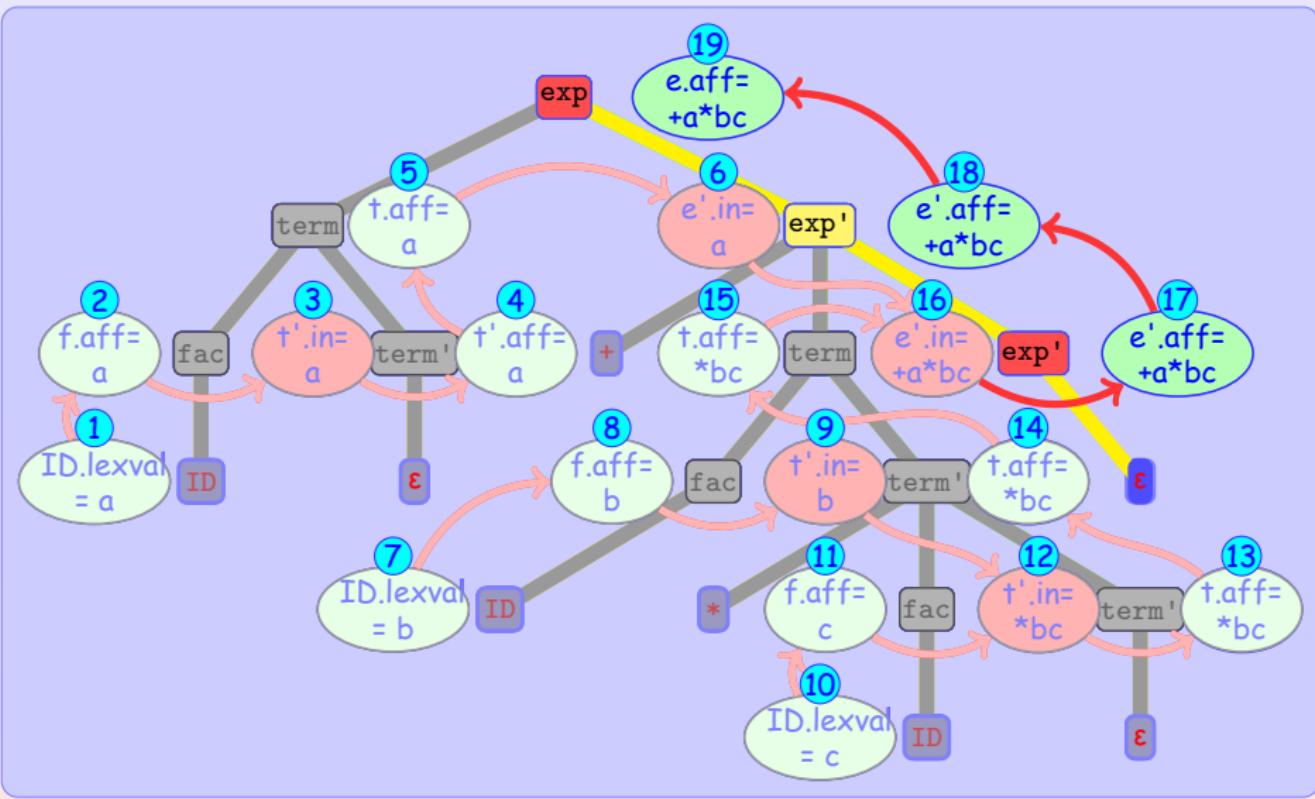
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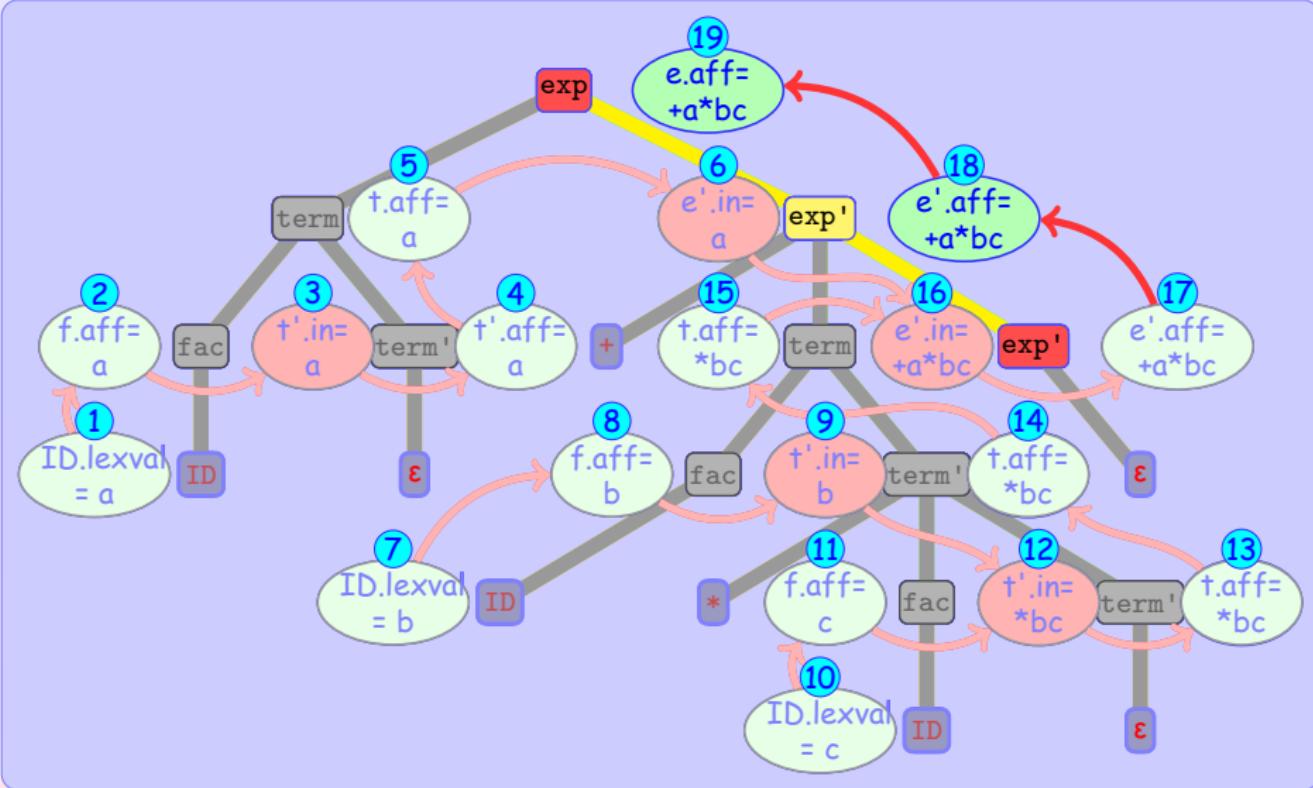
Example --- L 属性的求解次序与递归遍历相容.



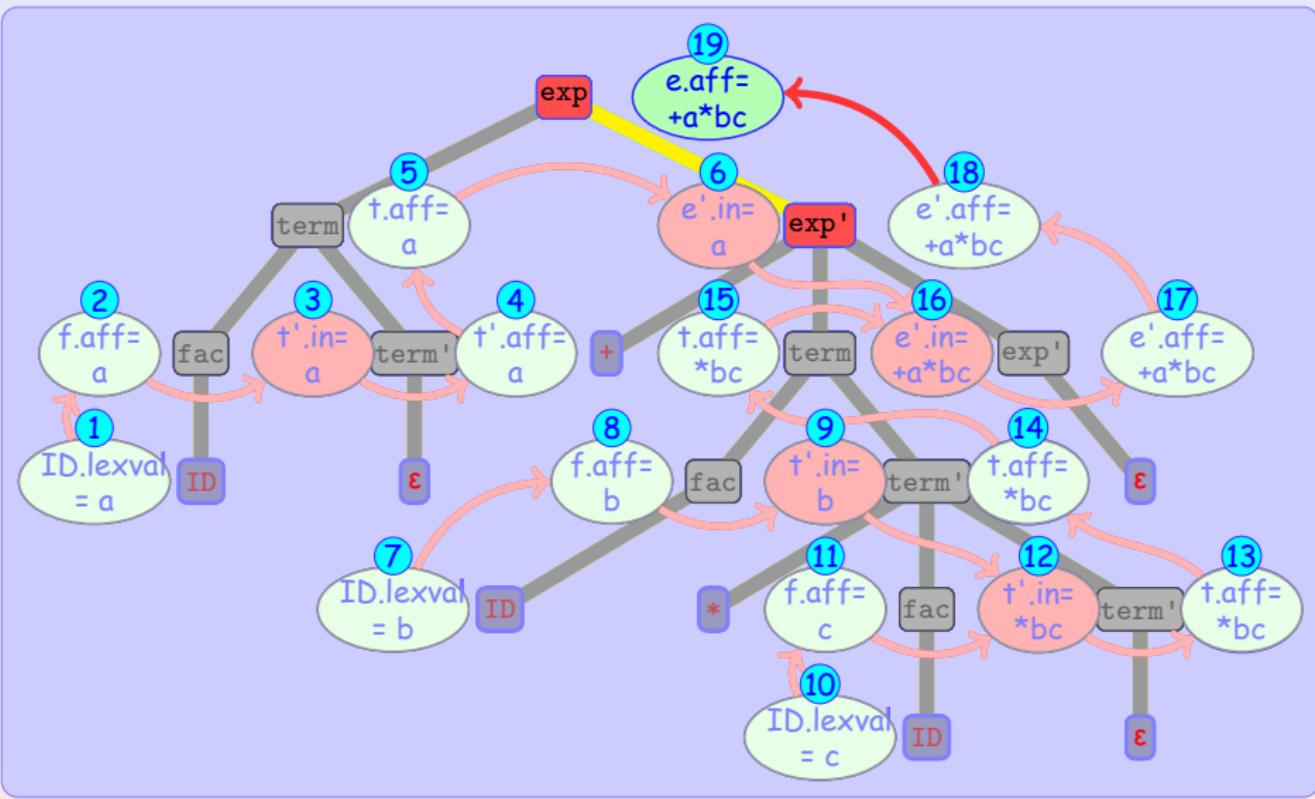
Example --- L 属性的求解次序与递归遍历相容。



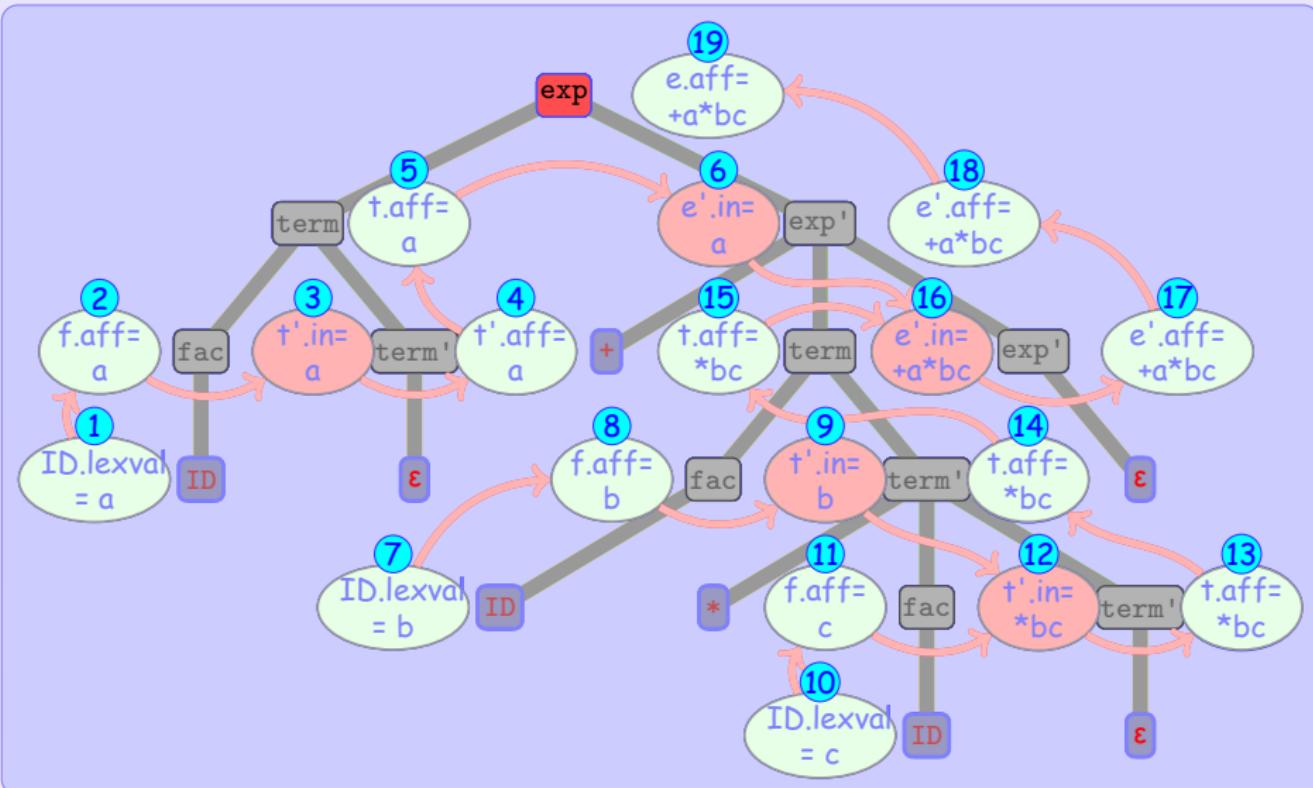
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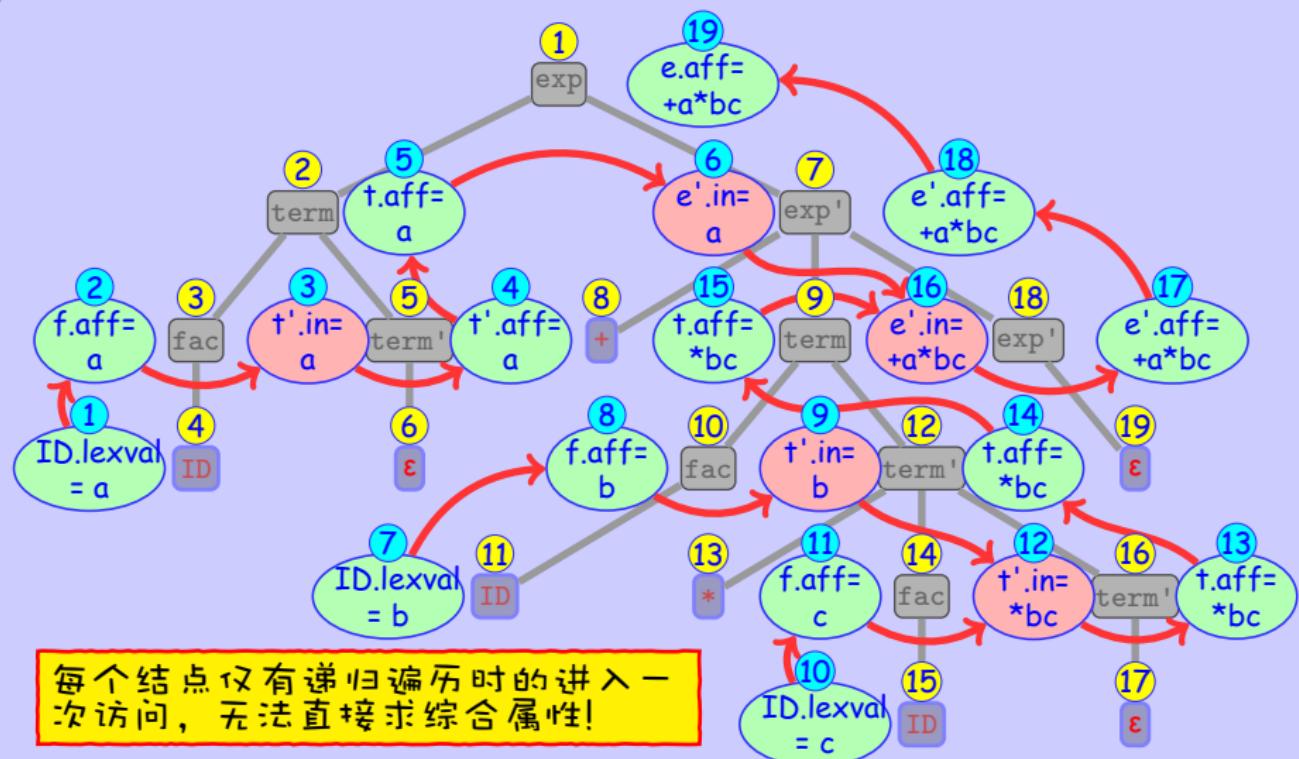
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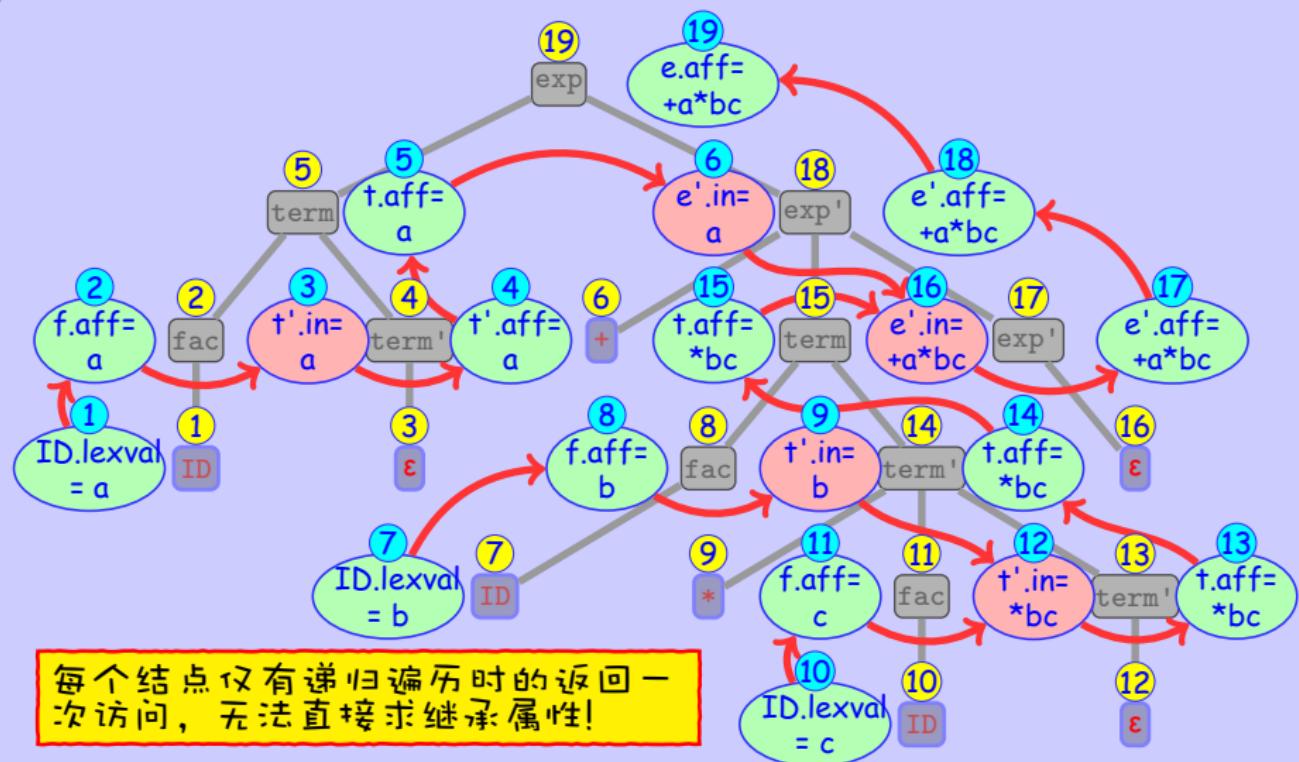
Example --- L 属性的求解次序与递归遍历相容.



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



每个结点仅有递归遍历时的返回一次访问，无法直接求继承属性！