

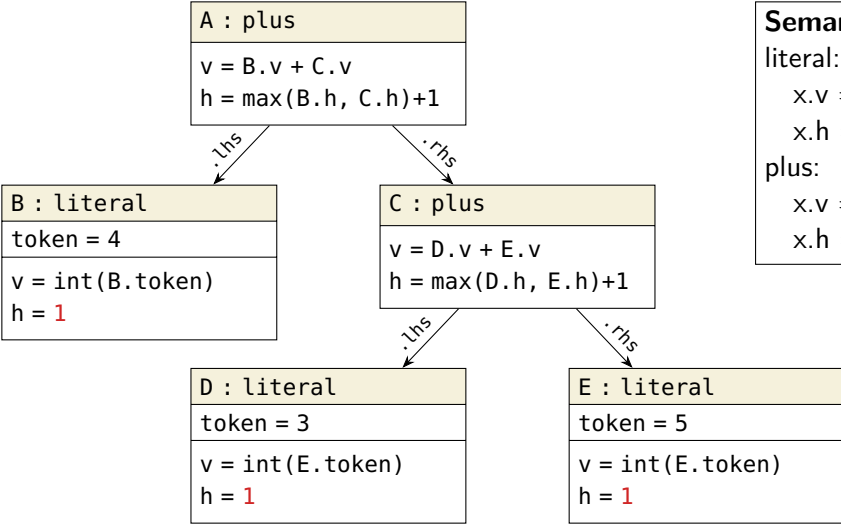
Semantische Regeln

literal:

$$x.v = \text{int}(x.\text{token})$$
$$x.h = 1$$

plus:

$$x.v = x.\text{lhs}.v + x.\text{rhs}.v$$
$$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$$



Semantische Regeln

literal:

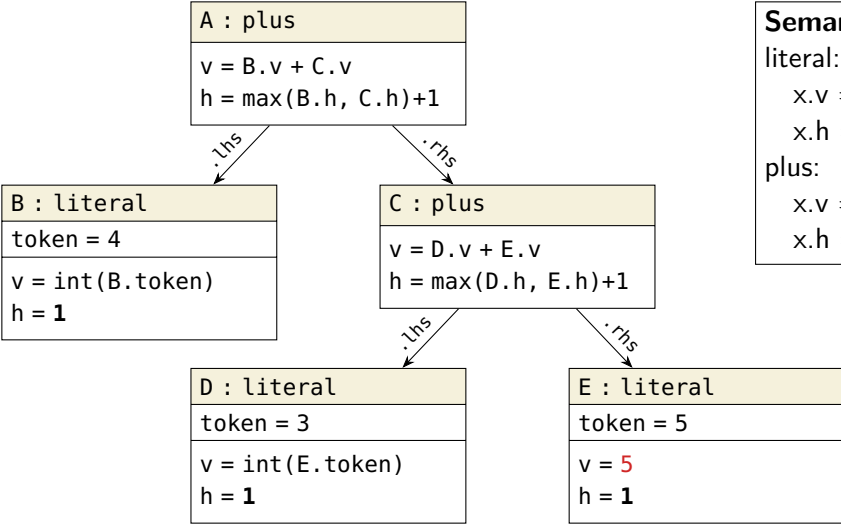
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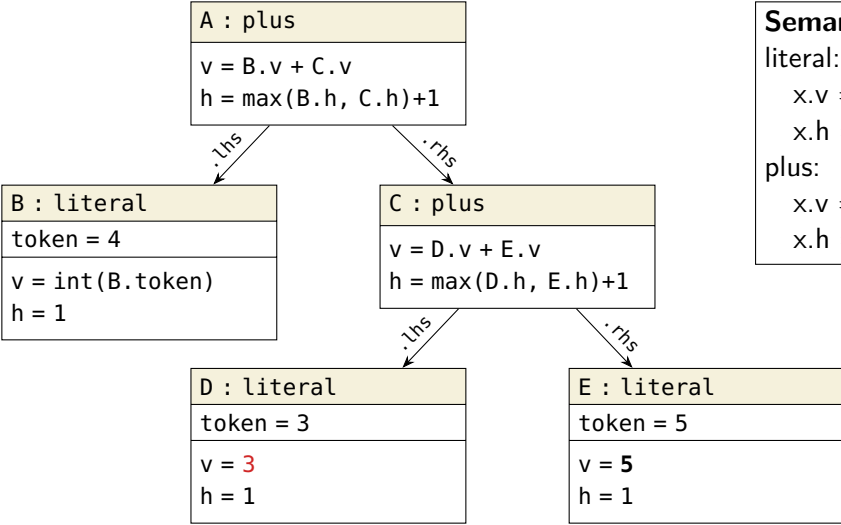
$x.v = \text{int}(x.\text{token})$

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$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$

A : plus
$v = B.v + C.v$ $h = \max(B.h, C.h) + 1$

↙
·lhs

↘
·rhs

B : literal
token = 4
$v = \text{int}(B.\text{token})$ $h = 1$

C : plus
$v = D.v + E.v$ $h = 2$

↙
·lhs

↘
·rhs

D : literal
token = 3
$v = 3$ $h = 1$

E : literal
token = 5
$v = 5$ $h = 1$

Semantische Regeln

literal:

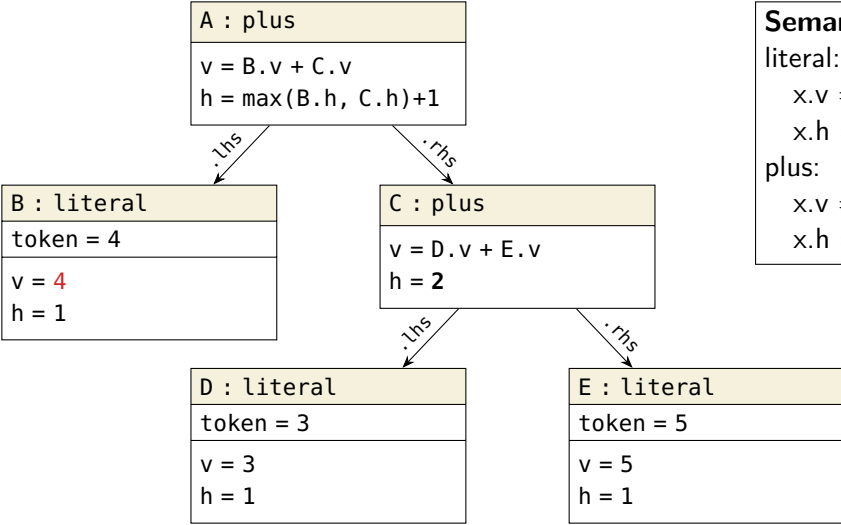
$x.v = \text{int}(x.\text{token})$

$x.h = 1$

plus:

$x.v = x.\text{lhs}.v + x.\text{rhs}.v$

$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$



Semantische Regeln

literal:

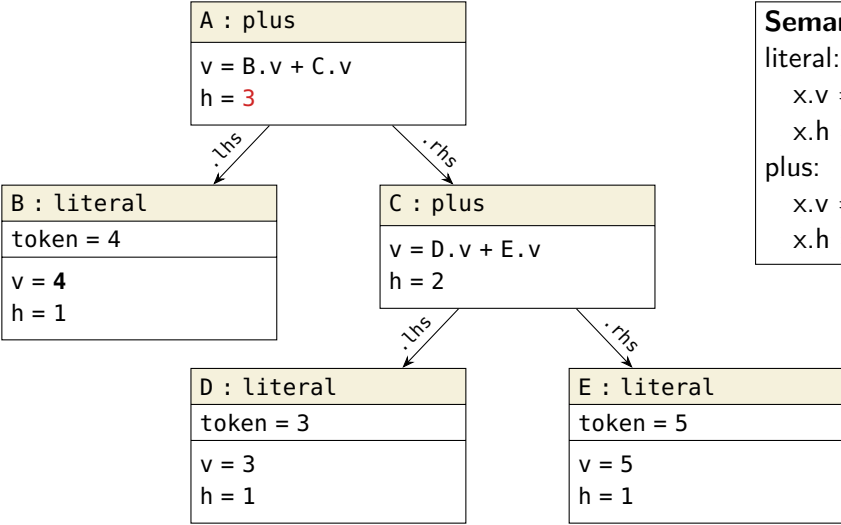
$$x.v = \text{int}(x.\text{token})$$

$$x.h = 1$$

plus:

$$x.v = x.\text{lhs}.v + x.\text{rhs}.v$$

$$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$$



Semantische Regeln

literal:

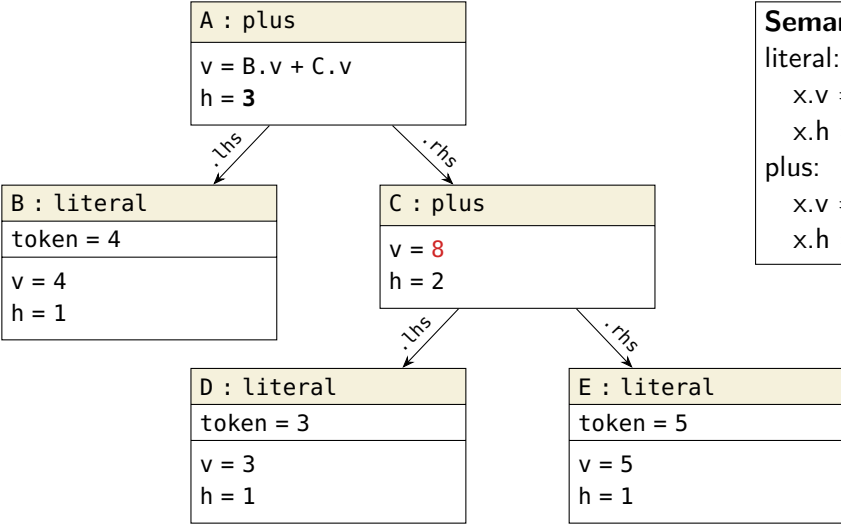
$x.v = \text{int}(x.\text{token})$

$x.h = 1$

plus:

$x.v = x.\text{lhs}.v + x.\text{rhs}.v$

$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$



Semantische Regeln

literal:

$$x.v = \text{int}(x.\text{token})$$

$$x.h = 1$$

plus:

$$x.v = x.\text{lhs}.v + x.\text{rhs}.v$$

$$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$$

A : plus
v = 12
h = 3



B : literal
token = 4
v = 4
h = 1

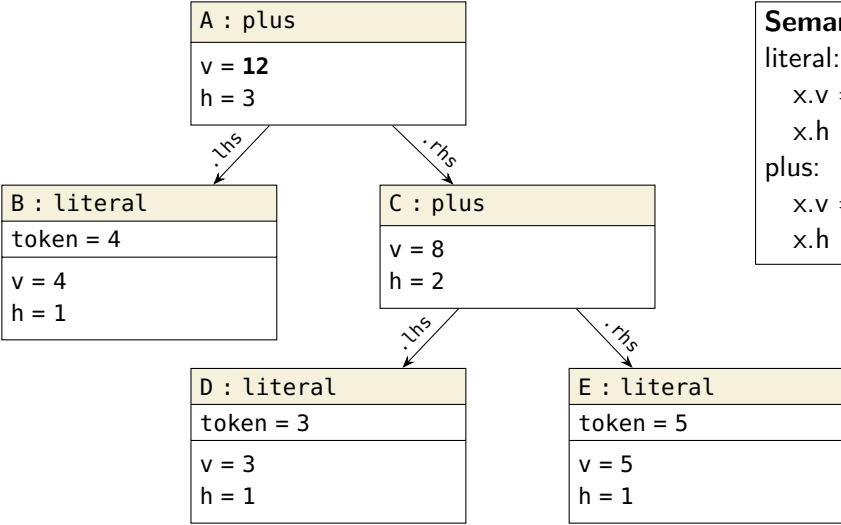
C : plus
v = 8
h = 2



D : literal
token = 3
v = 3
h = 1

E : literal
token = 5
v = 5
h = 1

Semantische Regeln
literal:
$x.v = \text{int}(x.\text{token})$
$x.h = 1$
plus:
$x.v = x.\text{lhs}.v + x.\text{rhs}.v$
$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$



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