

Semantische Regeln

literal:

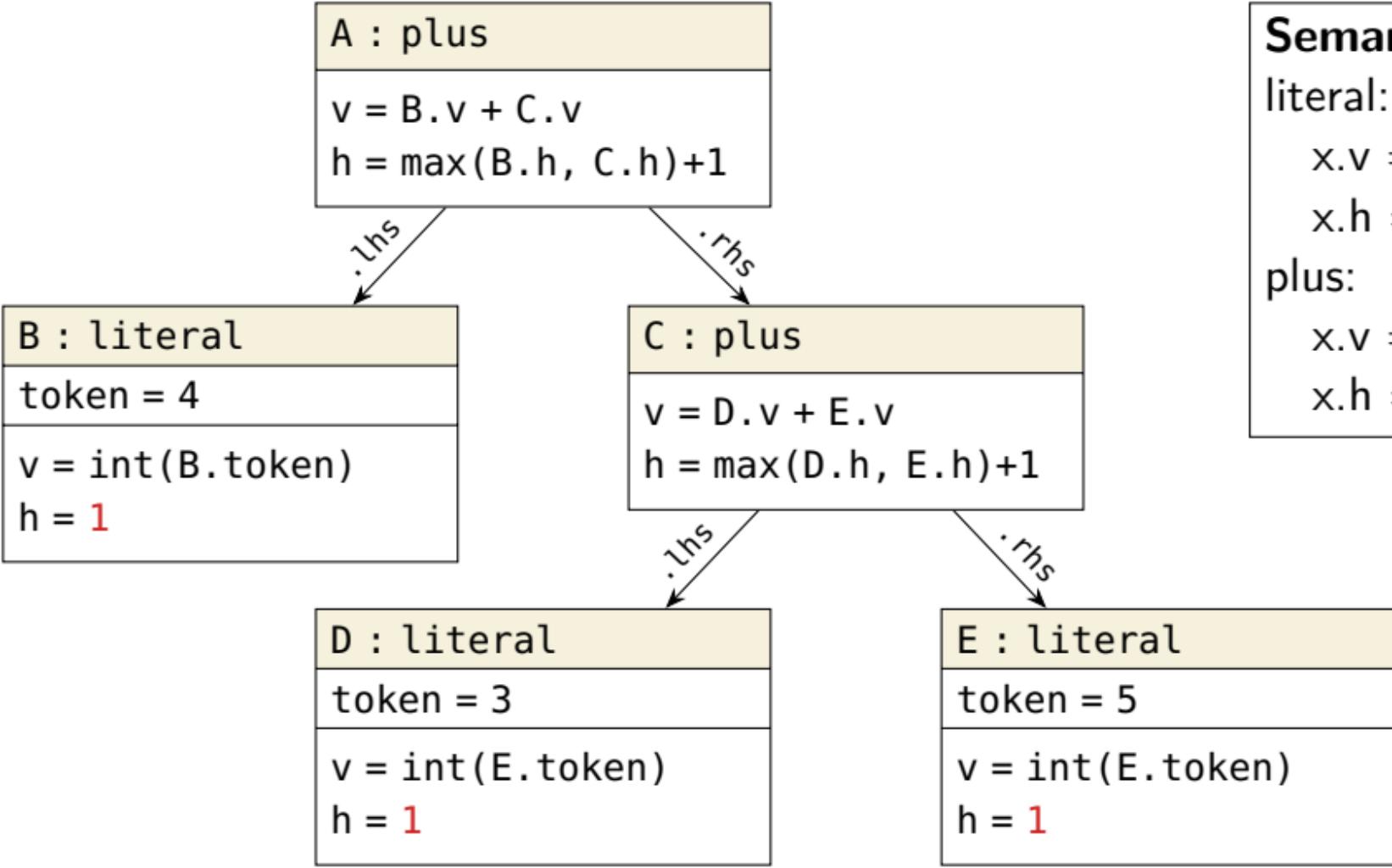
$$x.v = \text{int}(x.\text{token})$$

$$x.h = 1$$

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:

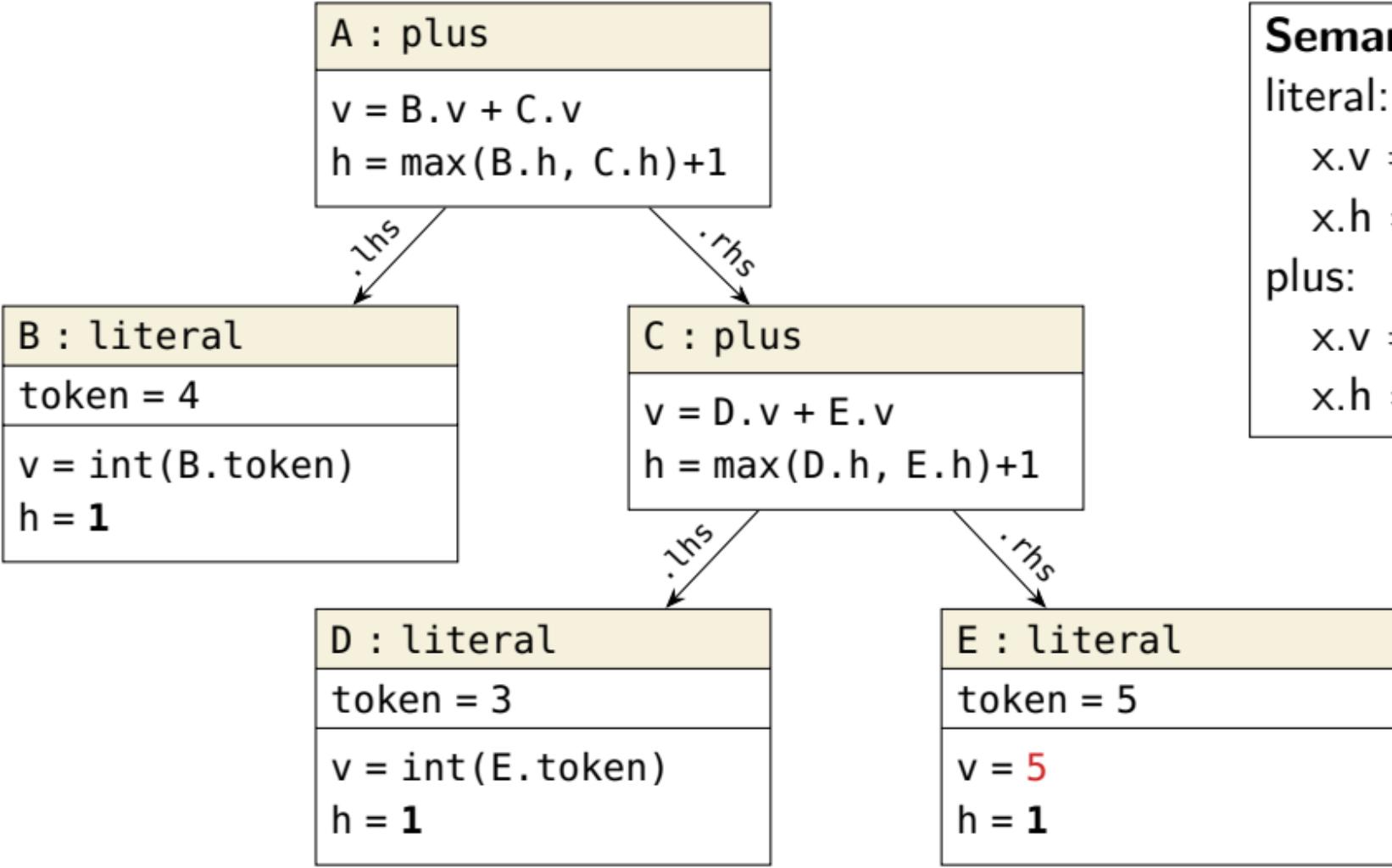
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$$x.h = \max(x.\text{lhs}.h, x.\text{rhs}.h) + 1$$

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
$v = D.v + E.v$
$h = \max(D.h, E.h) + 1$

.lhs

.rhs

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

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

Semantische Regeln

literal:

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

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

.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:

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

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



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

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



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:

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

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Semantische Regeln

literal:

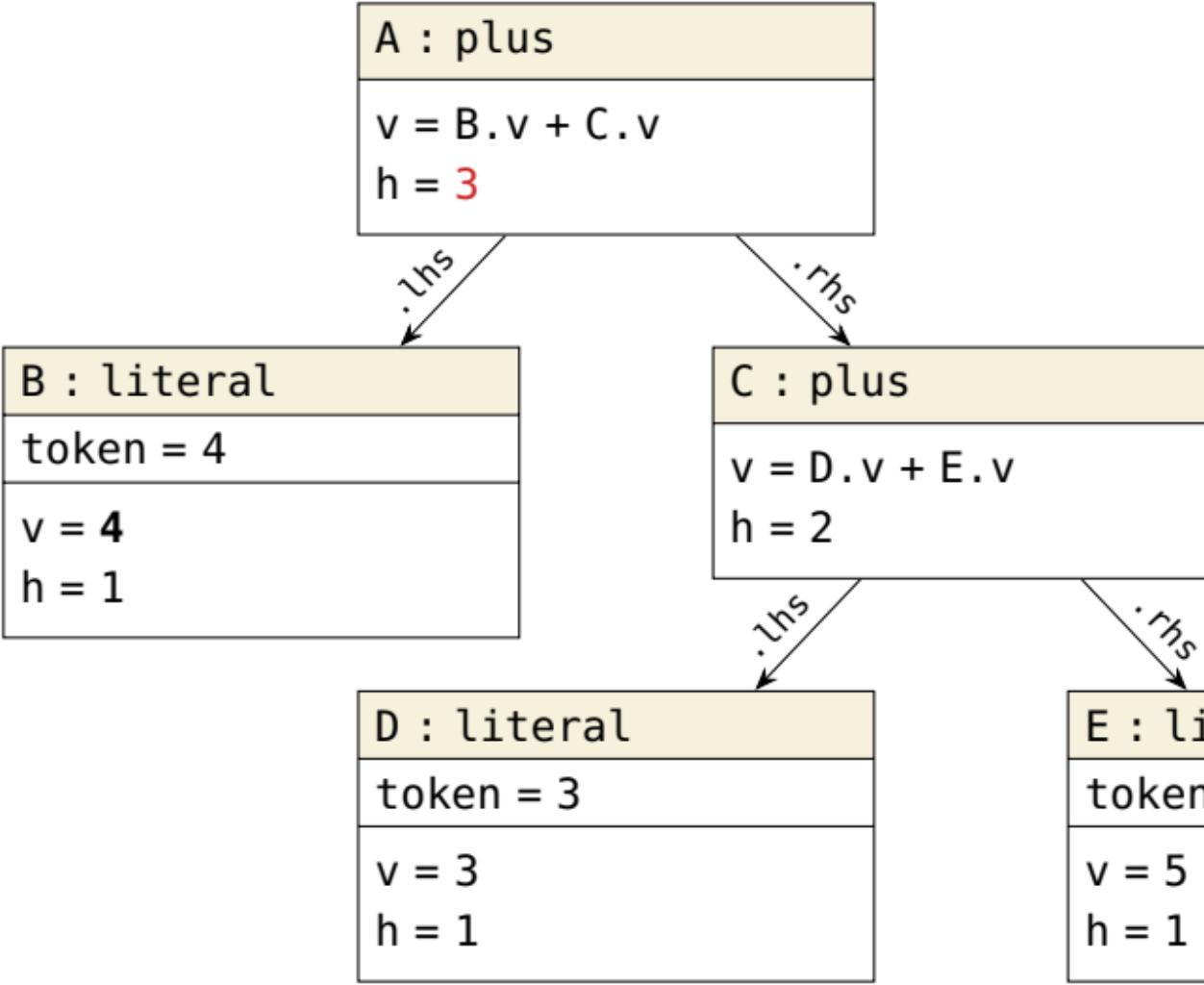
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$$x.h = 1$$

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 = B.v + C.v

h = 3

.lhs

.rhs

B : literal

token = 4

v = 4

h = 1

C : plus

v = 8

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 = int(x.token)

x.h = 1

plus:

x.v = x.lhs.v + x.rhs.v

x.h = max(x.lhs.h, x.rhs.h) + 1

Semantische Regeln

literal:

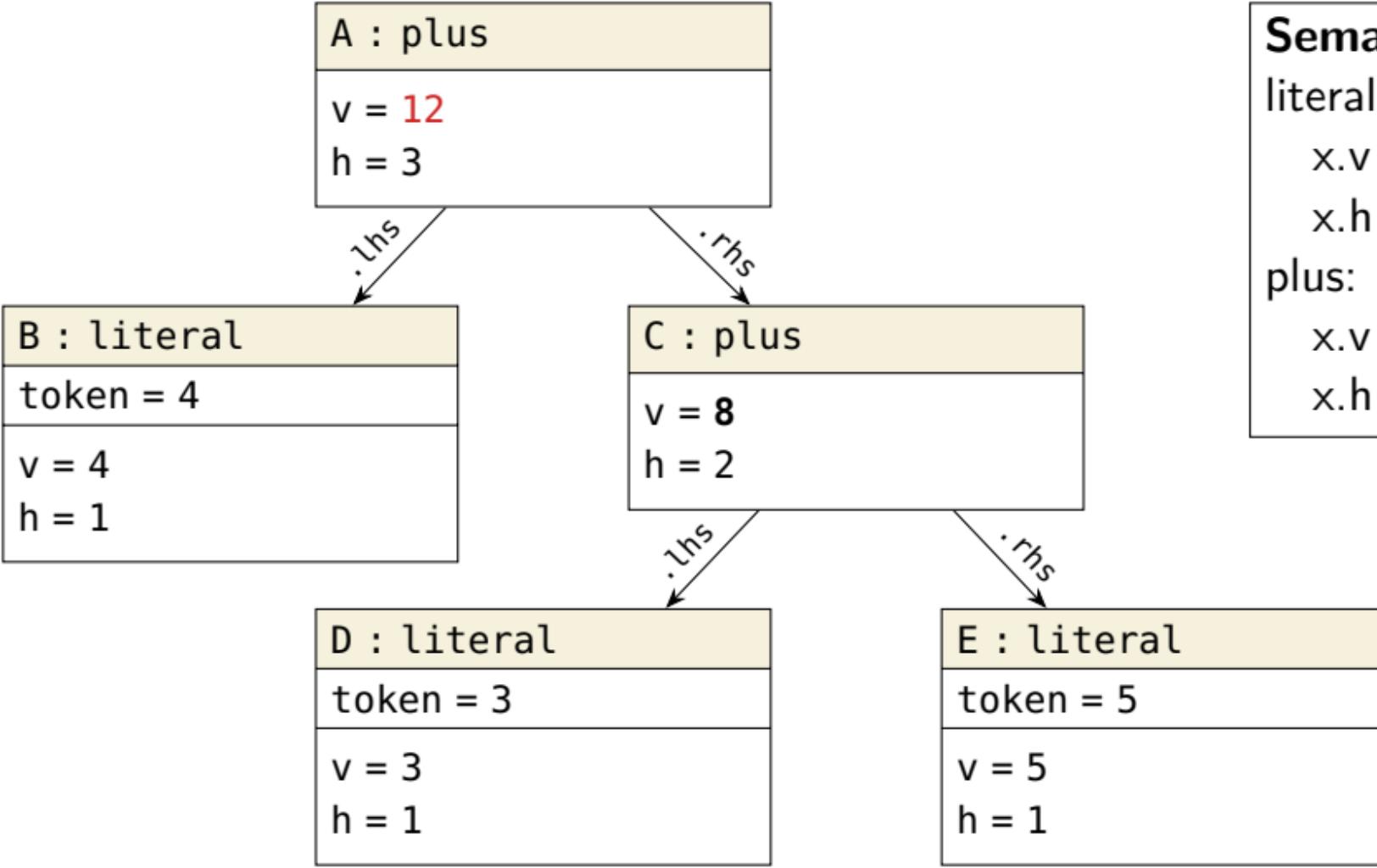
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