

Top-down construction of a derivation

grammar:

- p1: Prog ::= Block
- p2: Block ::= **begin** Decls Stmt **end**
- p3: Decls ::= Decl ; Decls
- p4: Decls ::=
- p5: Decl ::= **new** Ident
- p6: Stmt ::= Stmt ; Stmt
- p7: Stmt ::= Stmt
- p8: Stmt ::= Block
- p9: Stmt ::= Ident := Ident

derivation:

Prog

begin Ident := Ident **end**

accepted and next input

derivation tree:

Prog

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derivation:

p1
Prog
=> Block

derivation tree:

p1
Prog
|
Block

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accepted and next input

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Top-down construction of a derivation

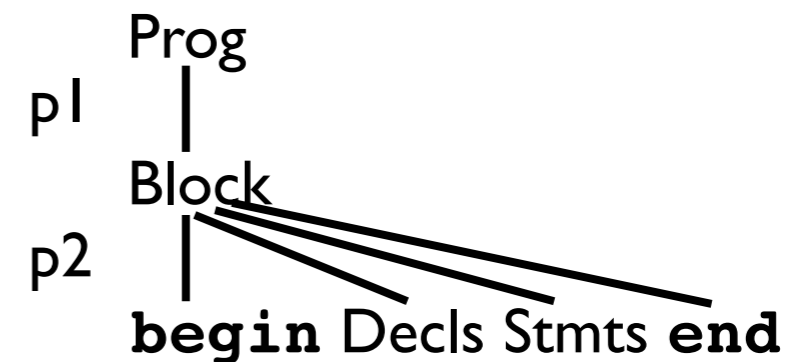
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derivation tree:



begin Ident := Ident **end**
accepted and next input

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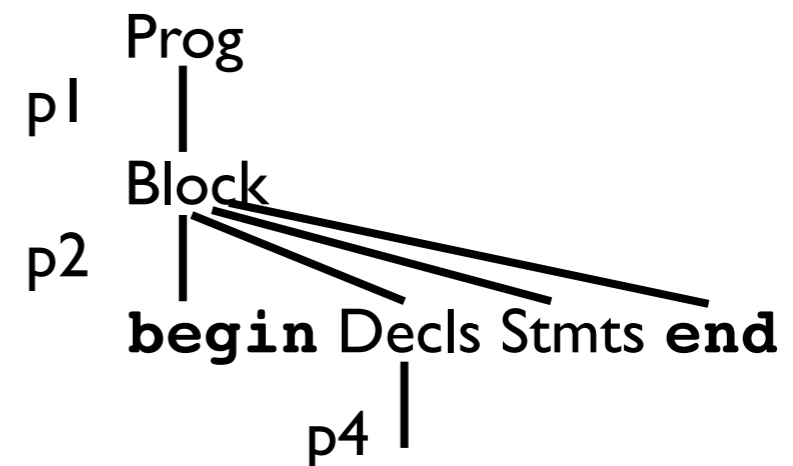
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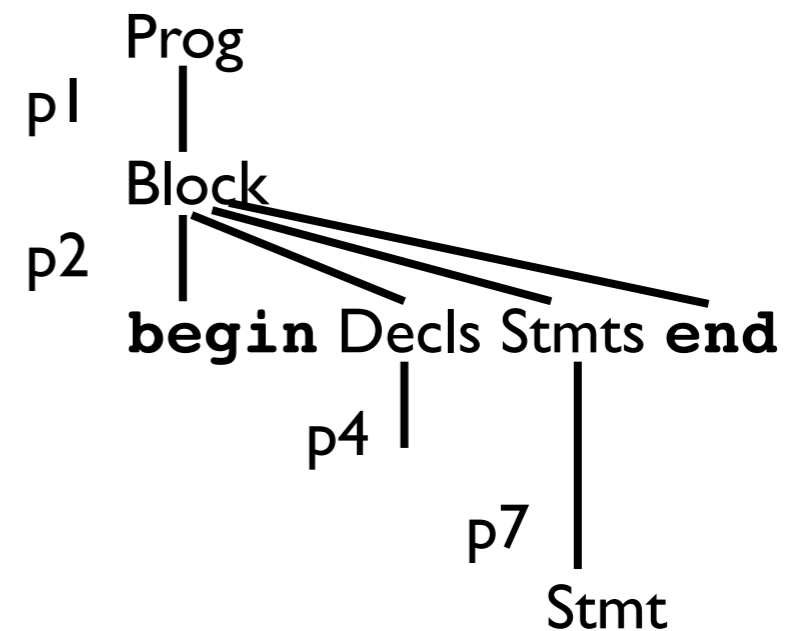
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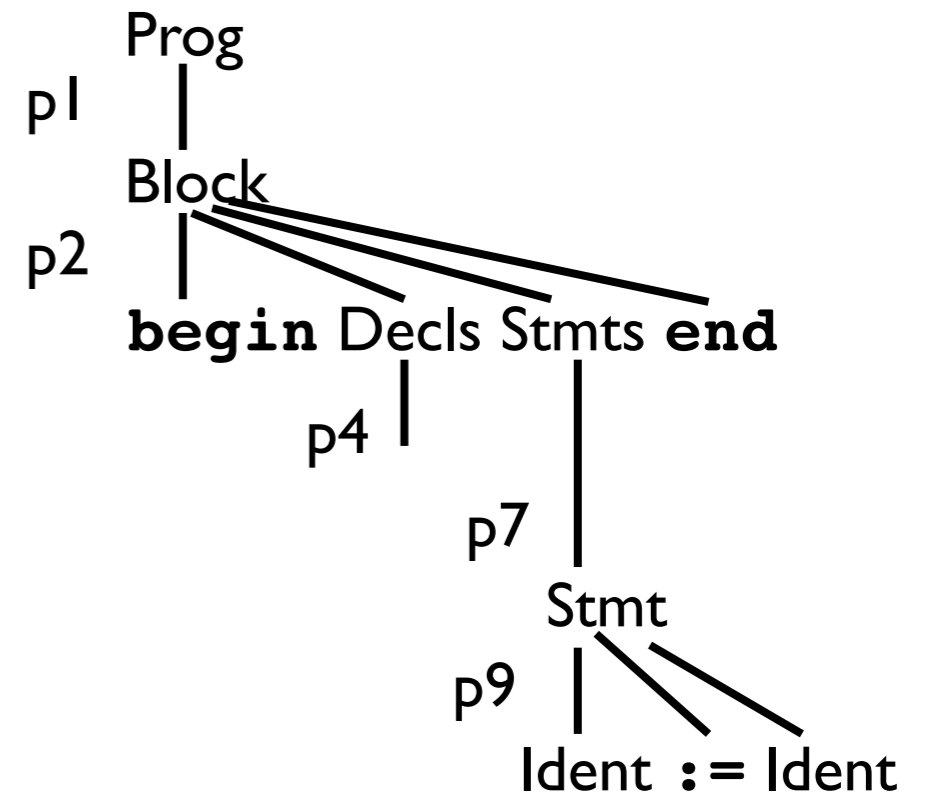
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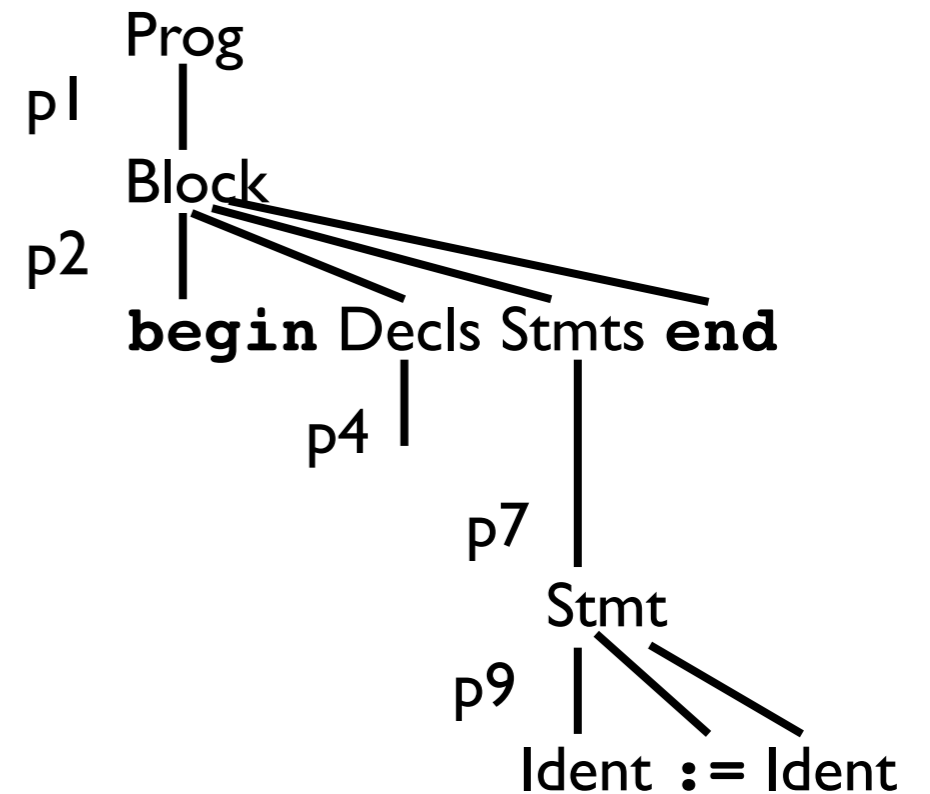
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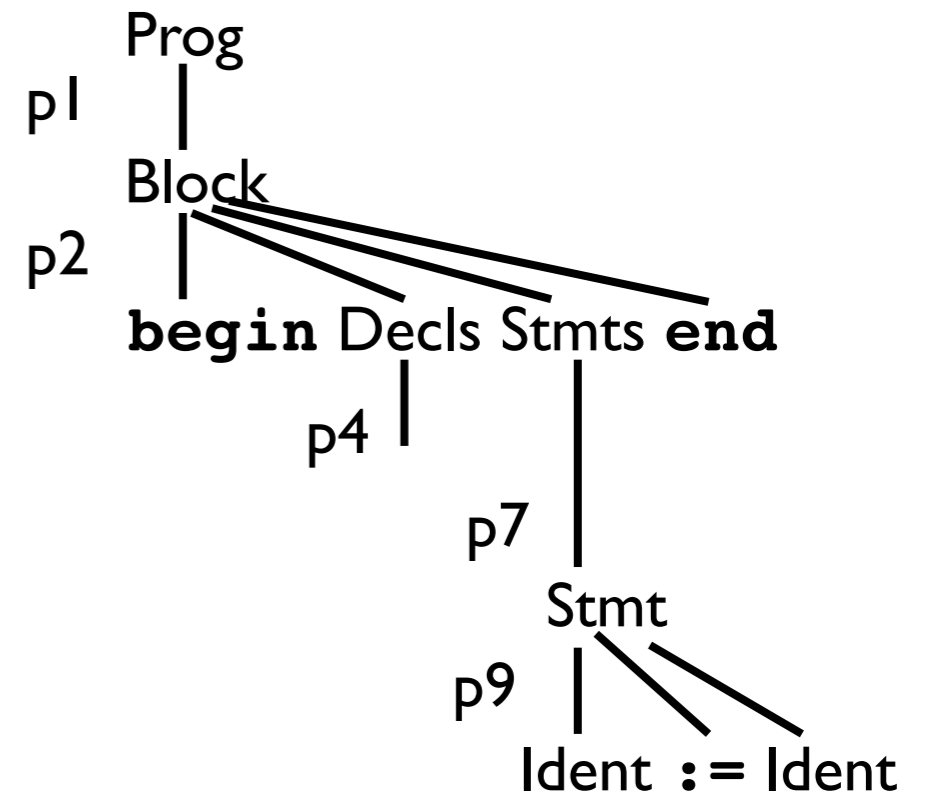
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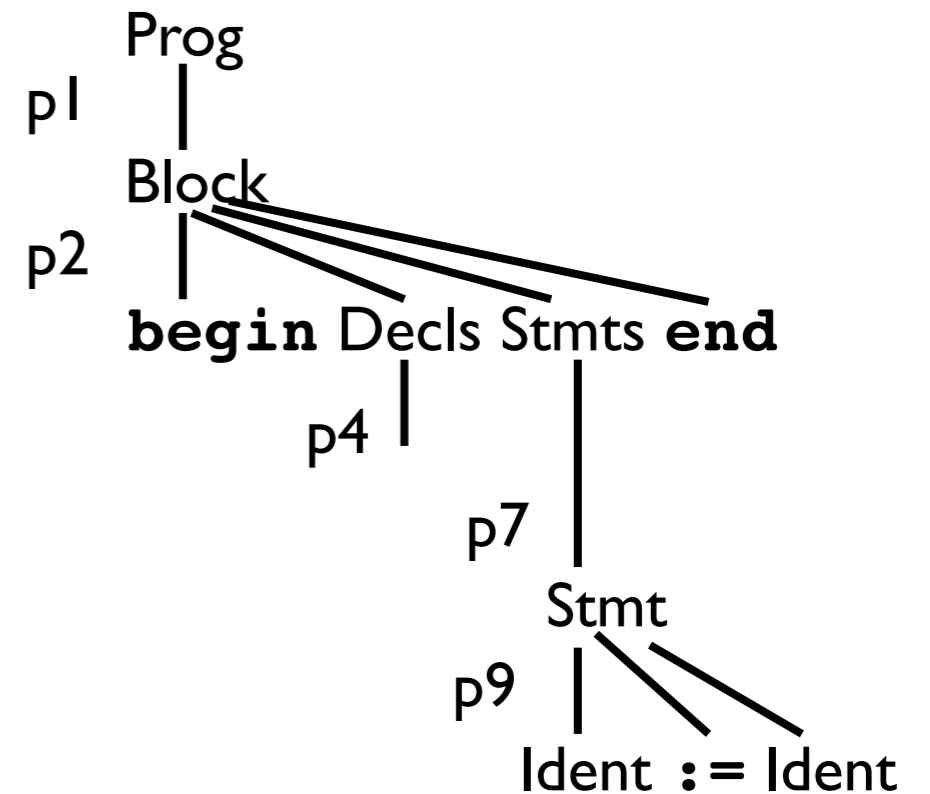
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