

7. Identifier Scope & Lifetime

* Scope : program identifier가
 ()
 * ^{variable} lifetime : 가 가
 (가)

7.1

o identifier
 가
 o 가
 .

cf) local identifier

cf) block

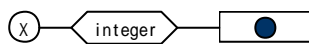
ALGOL 60 : (Compound Statements)

block [begin
 integer x
 end

eg) integer x declaration

compile time : (X) — integer — symbol table

runtime : (block activation)



block : , 가

7.2 ^{Compiler language} Static Scope Rule / Dynamic Scope Rule

* static scope rule .

cf) local variable : block (formal parameter)

cf) non-local / global variable : block

pp206-208 reading

< 7.1> < 7.2>

cf) free variable :

cf) hole-in-scope : () ,

hole-in-scope 가 .

- * static scope rule :
- * dynamic scope rule : id
가

[7.1]
pp210-211 (block)
reading

7.3

pp212-217

o p217

7.4 (lifetime/extent)

o 가 .

p219 7.6 PL/I

7.5 Ada

p223 (7.8) Ada