Appendix A – Syntactic symbols used in Jai

" "   delimiting a string literal

\   special characters

%   substitution of values (like in print) (the insert symbol):

. operator for both struct membership and pointer dereference access

..   range notation 0..n-1 / definition of dynamic arrays [..] /

..   variable number of arguments in a function

; end of code line / separating members of an enum

:   type declaration / separate counter from range in for-loop

=   initialization, assignment

:=   declaration with type inference

==   test on value equality

!=   test on value inequality

!   not

< <= > >=

--- uninitialized variable

,   separating parameters in parameter list of a function

::   definition of constants, types, structs, functions,

( )   to indicate operator priority / function syntax: parameter list of a function , calling a function with arguments

{   }   encloses any code block / definition of structs

[ ]   definition of arrays

->   return type of a function

*   pointer, placed to the left of variable name / address of operator

$ parameter in polymorphic procedure

<<   dereference a pointer

+   sum operations   n += 1

            -    *   /

+= -= *= /*

*~   relative pointer

/   polymorph interface (see § 23.4)