## Appendix A – Syntactic symbols used in Jai

"  "   delimiting a string literal

\    special characters

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

because the type is known, no need for %d, %s , %f etc.

. 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