

Pseudocode Notation Reference

Symbol	English	Explanation	Java Equivalent	L ^A T _E X
$a \leftarrow b$	“gets”	assign to a the value of b	=	\gets
$a \wedge b$	“and”	takes the logical and of a and b	&&	\wedge
$a \vee b$	“or”	takes the logical or of a and b		\vee
$\neg a$	“not”	takes the negation of a	!	\neg
$a = b$	“is equal to”	determines whether a is equal to b	==	=
$a \neq b$	“is not equal to”	determines whether a is not equal to b	!=	\neq
$a < b$	“is less than”	determines whether a is less than b	<	<
$a \leq b$	“is less than or equal to”	determines whether a is less than or equal to b	<=	\leq
$a > b$	“is greater than”	determines whether a is greater than b	>	>
$a \geq b$	“is greater than or equal to”	determines whether a is greater than or equal to b	>=	\geq
$a \approx b$	“approximately”	symbolizes that a is approximately equal to b	N/A	\approx
$\lceil a \rceil$	“ceiling”	yields the smallest integer greater than or equal to a	N/A	\lceil, \rceil
$\lfloor a \rfloor$	“floor”	yields the largest integer less than or equal to a	N/A	\lfloor, \rfloor
$a \in A$	“element of”	a is an element of the set A	N/A	\in
$A \subseteq B$	“subset”	the set A is a subset of the set B	N/A	\subseteq
$A \subset B$	“proper subset”	the set A is a proper subset of the set B	N/A	\subset