Complete List of Operators

The ANNIS Query Language (AQL) currently includes the following operators:

Operator	Description	Illustration	Notes
`.`	direct precedence	**A B**	For non-terminal nodes, precedence is determined by the right most and left most terminal children
`.*`	indirect precedence	**A** x y z **B**	For specific sizes of precedence spans, `.n,m` can be used, e.g. `.3,4` - between 3 and 4 token distance
`>`	direct dominance	**A** | **B**	A specific edge type may be specifed, e.g.: `>secedge` to find secondary edges. Edges labels are specified in brackets, e.g. `>[func="OA"]` for an edge with the function 'object, accusative'
`>*`	indirect dominance	**A** | ... | **B**	For specific distance of dominance, `>n,m` can be used, e.g. `>3,4` - dominates with 3 to 4 edges distance
`_=_`	identical coverage	**A** **B**	Applies when two annotation cover the exact same span of tokens
`_i_`	inclusion	**AAA** **B**	Applies when one annotation covers a span identical to or larger than another
`_o_`	overlap	**AAA** **BBB**	For overlap only on the left or right side, use `_ol_` and `_or_` respectively
`_l_`	left aligned	**AAA** **BB**	Both elements span an area beginning with the same token
`_r_`	right aligned	**AA** **BBB**	Both elements span an area ending with the same token
`->LABEL`	labeled pointing relation	LABEL V **A** **B**	A labeled, directed relationship between two elements. Annotations can be specified with `->LABEL[annotation="VALUE"]`
`->LABEL *`	indirect pointing relation	LABEL ... LABEL V **A** **B**	An indirect labeled relationship between two elements. The length of the chain may be specified with `->LABEL n,m` for relation chains of length n to m
`>@l`	left-most child	**A** / | \\ **B** x y	
`>@r`	right-most child	**A** / | \\ x y **B**	
`$`	Common parent node	x / \\ **A B**	
`$*`	Common ancestor node	x | ... / \\ **A B**	
#x:arity=n	Arity	x / | \\ **1 … n**	Specifies the amount of directly dominated children that the searched node has
#x:tokenarity=n	Tokenarity	x ... / \\ **1 ... n**	Specifies the length of the span of tokens covered by the node
#x:root	Root	___ x ...	Specifies that the node is not dominated by any other node within its namespace