

Relational Algebra Symbols

Unary Operators

Selection	σ
Projection	π
Aggregate Function	\mathfrak{A}

Binary Operators

Union	\cup	
Intersection	\cap	
Difference	$-$	
Cartesian product	\times	
Theta Join	\bowtie	
Natural Join	$*$	(or in some notations \bowtie)
Left Outer Join	$\bowtie\!_{\leftarrow}$	
Right Outer Join	$\bowtie\!_{\rightarrow}$	
Full Outer Join	$\bowtie\!_{\leftrightarrow}$	
Outer Union	\cup^*	

Logic Symbols

Logical AND	\wedge
Logical OR	\vee
Logical NOT	\neg