

Q	\leftarrow	proj $[T]$	(Query)
T	\leftarrow	named $[T](f[T.meta, *])$ aggr $[T, \bar{c}, \bar{\alpha}](f[\bar{\tau}, *])$ join $[T_1, T_2](f[T_1.meta, T_2.meta])$	(Tables)
$f[L, R]$	\leftarrow	and $(f[L, R], f[L, R])$ or $(f[L, R], f[L, R])$ neg $(f[L, R])$ cmp $(v[L], v[R], op)$	(Filters)
$v[S]$	\leftarrow	$v, \text{ s.t. } v \in S$	(Value)
$T.meta$	\leftarrow	(Metadata/Schema of T)	
$*$	\leftarrow	(The set containing all variables in the environment)	
τ	\leftarrow	(An aggregation target)	