

DL Syntax Cheat Sheet

Feature	DL Notation	Manchester Syntax
Top/universal class	\top	Thing
Bottom/contradiction	\perp	Nothing
Class intersection	$C \sqcap D$	C and D
Class union	$C \sqcup D$	C or D
Class complement	$\neg C$	not C
Enumerated class	$\{x, y, z\}$	{x, y, z}
Existential restriction	$\exists R. C$	R some C
Value restriction	$\exists R. \{x\}$	R value x
Universal restriction	$\forall R. C$	R only C
Cardinality restriction	$\geq n R$	R min n
Cardinality restriction	$= n R$	R exactly n
Cardinality restriction	$\leq n R$	R max n
Qualified cardinality restriction	$\geq n R. C$	R min n C
Qualified cardinality restriction	$= n R. C$	R exactly n C
Qualified cardinality restriction	$\leq n R. C$	R max n C
Reflexive property restriction		R Self
Datatype restrictions		int[>=2, <=15]
Property composition	$R \circ S$	R o S