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Constructor	Example	Interpretation		
Classes	Human	I(Human)		
intersectionOf	intersectionOf(Human Male)	I(Human) Å I(Male)		
unionOf	unionOf(Doctor Lawyer)	I(Doctor) [I(Lawyer)		
complementOf	complementOf(Male)	Δn I(Male)		
oneOf	oneOf(iohn marv)	{I(iohn), I(mary)}		

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Constructor	Example	Interpretation		
someValuesFrom	restriction(hasChild someValuesFrom Lawyer)	{xj9y.hx,yi2I(hasChild) y2I(Lawyer)}		
allValuesFrom	restriction(hasChild allValuesFrom Doctor)	<pre>{xj8y.hx,yi2I(hasChild)) y2I(Doctor)}</pre>		
minCardinality	restriction(hasChild minCardinality (2))	{x/#hx,yi2I(hasChild) _ 2}		
maxCardinality	restriction(hasChild maxCardinality (2))	{x/#hx,yi2 <i>I</i> (<i>hasChild</i>) · 2}		

Axiom	Example	Interpretation
Individual	Individual(Sean type(Human))	I(Sean) 2 I(Human)
Individual	Individual(Sean value(worksWith Uli))	hI(Sean),I(Uli)i2I(worksWith
DifferentIndividuals	DifferentIndividuals(Sean Uli)	$I(Sean) \neq I(Uli)$
SameIndividualAs	SameIndividualAs(GeorgeWB ush PresidentBush)	I(GeorgeWBush) = I(PresidentBush)

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Axiom	Example	Interpretation		
SubPropertyOf	SubPropertyOf(hasMother hasParent)	I(hasMother) אן I(hasParent)		
domain	ObjectProperty (owns domain(Person))	8x.hx,yi2I(owns)) x2I(Person)		
range	ObjectProperty (employs range(Person))	8x.hx,yi2I(employs)) y2I(Person)		
transitive	ObjectProperty(hasPart Transitive)	8x,y,z. (hx,yi2 <i>I</i> (hasPart) Æ hy,zi2 <i>I</i> (hasPart)))		

