Transitive subsumption	$t(C_1, \textit{rdfs:subClassOf}, C_3) \leftarrow t(C_1, \textit{rdfs:subClassOf}, C_2) \wedge$ $t(C_2, \textit{rdfs:subClassOf}, C_3)$
Inheritance	$t(X, \textit{rdf:type}, C_2) \leftarrow t(C_1, \textit{rdfs:subClassOf}, C_2) \wedge t(X, \textit{rdf:type}, C_1)$ $t(X, \textit{rdf:type}, C_2) \leftarrow t(C_1, \textit{owl:equivalentClass}, C_2) \wedge t(X, \textit{rdf:type}, C_2)$
Domain	$t(X, \textit{rdf:type}, C) \leftarrow t(P, \textit{rdfs:domain}, C) \wedge t(X, P, O)$
Range	$t(Y, \textit{rdf:type}, C) \leftarrow t(P, \textit{rdfs:range}, C) \wedge t(S, P, Y)$
Transitivity	$t(X, P, Z) \leftarrow t(P, \textit{rdf:type}, \textit{owl:TransitiveProperty}) \wedge t(X, P, Y) \wedge t(Y, P, Z)$
Subsumption of existential formulae	$t(C_1, \textit{rdfs:subClassOf}, C_2) \leftarrow t(C_1, \textit{owl:someValuesFrom}, D_1) \wedge$ $t(C_1, \textit{owl:onProperty}, P) \wedge t(C_2, \textit{owl:someValuesFrom}, D_2) \wedge$ $t(C_2, \textit{owl:onProperty}, P) \wedge t(D_1, \textit{rdfs:subClassOf}, D_2)$
Intersection	$t(C, \textit{rdfs:subClassOf}, D) \leftarrow t(C, \textit{owl:intersectionOf}, I) \wedge D \in I$
Disjointness	$\bot \leftarrow t(C_1, \textit{owl:disjointWith}, C_2) \wedge t(X, \textit{rdf:type}, C_1) \wedge t(X, \textit{rdf:type}, C_2)$