

Conditions	Conclusions
{?S ?P ?O}	=> {?S owl:sameAs ?S. ?P owl:sameAs ?P. ?O owl:sameAs ?O}.
{?S owl:sameAs ?O}	=> {?O owl:sameAs ?S}.
{?Q owl:sameAs ?R. ?R owl:sameAs ?P}	=> {?Q owl:sameAs ?P}.
{?S owl:sameAs ?S2. ?S ?P ?O}	=> {?S2 ?P ?O}.
{?P owl:sameAs ?P2. ?S ?P ?O}	=> {?S ?P2 ?O}.
{?O owl:sameAs ?O2. ?S ?P ?O}	=> {?S ?P ?O2}.
{?Q owl:sameAs ?R. ?Q owl:differentFrom ?R}	=> {@false}.
{?P rdf:type owl:FunctionalProperty. ?Q ?P ?R1. ?Q ?P ?R2}	=> {?R1 owl:sameAs ?R2}.
{?P rdf:type owl:InverseFunctionalProperty. ?Q1 ?P ?R. ?Q2 ?P ?R}	=> {?Q1 owl:sameAs ?Q2}.
{?P rdf:type owl:IrreflexiveProperty. ?Q ?P ?Q}	=> {@false}.
{?P rdf:type owl:SymmetricProperty. ?Q ?P ?R}	=> {?R ?P ?Q}.
{?P rdf:type owl:AsymmetricProperty. ?Q ?P ?R. ?R ?P ?Q }	=> {@false}.
{?P rdf:type owl:TransitiveProperty. ?Q ?P ?R. ?R ?P ?P}	=> {?Q ?P ?P}.
{?P1 owl:equivalentProperty ?P2. ?Q ?P1 ?R}	=> {?Q ?P2 ?R}.
{?P1 owl:equivalentProperty ?P2. ?Q ?P2 ?R}	=> {?Q ?P1 ?R}.
{?P1 owl:propertyDisjointWith ?P2. ?Q ?P1 ?R. ?Q ?P2 ?R}	=> {@false}.
{?P1 owl:inverseOf ?P2. ?Q ?P1 ?R}	=> {?R ?P2 ?Q}.
{?P1 owl:inverseOf ?P2 . ?Q ?P2 ?R}	=> {?R ?P1 ?Q}.