Some OWL Axioms in N3 logic

Properties

```
{?P owl:inverseOf ?Q.
 ?S ?P ?O} => {?O ?Q ?S}.
{?P rdf:type owl:SymmetricProperty.
?S ?P ?O => {?O ?P ?S}.
{?P rdf:type owl:TransitiveProperty.
?X ?P ?O.
?S ?P ?X}
=> {?S ?P ?O}.
```

Functional Properties

```
{?P rdf:type owl:InverseFunctionalProperty.
    ?X ?P ?O. ?Y ?P ?O}
    => {?X owl:sameAs ?Y}.

{?P rdf:type owl:FunctionalProperty.
    ?S ?P ?X. ?S ?P ?Y}
```

=> {?X owl:sameAs ?Y}.

Restrictions

```
{?R owl:onProperty ?P;
    owl:hasValue?Y.
 ?X a ?R}
 => {?X ?P ?Y}.
{?R owl:onProperty ?P;
   owl:allValuesFrom ?A.
 ?S owl:onProperty ?P;
    owl:allValuesFrom ?A}
 => {?R rdfs:subClassOf ?S}.
```