

Vocabulaire RDF

```
rdf:type rdf:value
rdf:Property
rdf:XMLLiteral
rdf:nil rdf:List rdf:first rdf:rest
rdf:Statement rdf:subject rdf:predicate rdf:object
rdf:Seq rdf:Bag rdf:Alt rdf:_1 rdf:_2 ...
```

Triplets axiomatiques

```
rdf:type rdf:type rdf:Property .
rdf:subject rdf:type rdf:Property .
rdf:predicate rdf:type rdf:Property .
rdf:object rdf:type rdf:Property .
rdf:first rdf:type rdf:Property .
rdf:rest rdf:type rdf:Property .
rdf:value rdf:type rdf:Property .
rdf:_i rdf:type rdf:Property .
rdf:nil rdf:type rdf:List .
```

Vocabulaire RDFS

```
rdfs:domain rdfs:range
rdfs:Resource rdfs:Literal rdfs:Datatype
rdfs:Class rdfs:subClassOf
rdfs:subPropertyOf
rdfs:member rdfs:Container rdfs:ContainerMembershipProperty
rdfs:comment rdfs:seeAlso rdfs:isDefinedBy rdfs:label
```

Triplets axiomatiques

```
rdf:type rdfs:domain rdfs:Resource .
rdfs:domain rdfs:domain rdf:Property .
rdfs:range rdfs:domain rdf:Property .
rdfs:subPropertyOf rdfs:domain rdf:Property .
rdfs:subClassOf rdfs:domain rdfs:Class .
rdf:subject rdfs:domain rdf:Statement .
rdf:predicate rdfs:domain rdf:Statement .
rdf:object rdfs:domain rdf:Statement .
rdfs:member rdfs:domain rdfs:Resource .
rdf:first rdfs:domain rdf:List .
rdf:rest rdfs:domain rdf:List .
rdfs:seeAlso rdfs:domain rdfs:Resource .
rdfs:isDefinedBy rdfs:domain rdfs:Resource .
rdfs:comment rdfs:domain rdfs:Resource .
rdfs:label rdfs:domain rdfs:Resource .
rdf:value rdfs:domain rdfs:Resource .
```

```
rdf:type rdfs:range rdfs:Class .
rdfs:domain rdfs:range rdfs:Class .
rdfs:range rdfs:range rdfs:Class .
rdfs:subPropertyOf rdfs:range rdf:Property .
rdfs:subClassOf rdfs:range rdfs:Class .
rdf:subject rdfs:range rdfs:Resource .
```

```

rdf:predicate rdfs:range rdfs:Resource .
rdf:object rdfs:range rdfs:Resource .
rdfs:member rdfs:range rdfs:Resource .
rdf:first rdfs:range rdfs:Resource .
rdf:rest rdfs:range rdf:List .
rdfs:seeAlso rdfs:range rdfs:Resource .
rdfs:isDefinedBy rdfs:range rdfs:Resource .
rdfs:comment rdfs:range rdfs:Literal .
rdfs:label rdfs:range rdfs:Literal .
rdf:value rdfs:range rdfs:Resource .

rdf:Alt rdfs:subClassOf rdfs:Container .
rdf:Bag rdfs:subClassOf rdfs:Container .
rdf:Seq rdfs:subClassOf rdfs:Container .
rdfs:ContainerMembershipProperty rdfs:subClassOf rdf:Property .
rdfs:isDefinedBy rdfs:subPropertyOf rdfs:seeAlso .

rdf:XMLLiteral rdf:type rdfs:Datatype .
rdf:XMLLiteral rdfs:subClassOf rdfs:Literal .
rdfs:Datatype rdfs:subClassOf rdfs:Class .

rdf:_i rdf:type rdfs:ContainerMembershipProperty .
rdf:_i rdfs:domain rdfs:Resource .
rdf:_i rdfs:range rdfs:Resource .

```

Autres triplets valides

```

rdfs:Resource rdf:type rdfs:Class .
rdfs:Class rdf:type rdfs:Class .
rdfs:Literal rdf:type rdfs:Class .
rdf:XMLLiteral rdf:type rdfs:Class .
rdfs:Datatype rdf:type rdfs:Class .
rdf:Seq rdf:type rdfs:Class .
rdf:Bag rdf:type rdfs:Class .
rdf:Alt rdf:type rdfs:Class .
rdfs:Container rdf:type rdfs:Class .
rdf:List rdf:type rdfs:Class .
rdfs:ContainerMembershipProperty rdf:type rdfs:Class .
rdf:Property rdf:type rdfs:Class .
rdf:Statement rdf:type rdfs:Class .

rdfs:domain rdf:type rdf:Property .
rdfs:range rdf:type rdf:Property .
rdfs:subPropertyOf rdf:type rdf:Property .
rdfs:subClassOf rdf:type rdf:Property .
rdfs:member rdf:type rdf:Property .
rdfs:seeAlso rdf:type rdf:Property .
rdfs:isDefinedBy rdf:type rdf:Property .
rdfs:comment rdf:type rdf:Property .
rdfs:label rdf:type rdf:Property .

```

a, b : URI arbitraires, $_:n$ noeud blanc, l : littéral
 u, v : URI arbitraires ou noeuds blancs
 x, y : URI arbitraires, noeuds blancs ou littéraux

se1	$\frac{u \ a \ x.}{u \ a \ _ :n.}$
se2	$\frac{u \ a \ x.}{_ :n \ a \ x.}$
rdfax	$\frac{\quad}{u \ a \ x.} \quad \text{pour les triplets axiomatiques RDF}$
lg	$\frac{u \ a \ l.}{u \ a \ _ :n.}$
rdf1	$\frac{u \ a \ y.}{a \ \text{rdf:type} \ \text{rdfs:Property.}}$
rdf2	$\frac{u \ a \ l.}{_ :n \ \text{rdf:type} \ \text{rdf:XMLLiteral.}}$
rdfsax	$\frac{\quad}{u \ a \ x.} \quad \text{pour les triplets axiomatiques RDFS}$
rdfs1	$\frac{u \ a \ l.}{_ :n \ \text{rdf:type} \ \text{rdfs:Literal.}}$
rdfs2	$\frac{a \ \text{rdfs:domain} \ x. \quad u \ a \ y.}{u \ \text{rdf:type} \ x.}$
rdfs3	$\frac{a \ \text{rdfs:range} \ x. \quad u \ a \ v.}{v \ \text{rdf:type} \ x.}$
rdfs4a	$\frac{u \ a \ x.}{u \ \text{rdf:type} \ \text{rdfs:Resource.}}$
rdfs4b	$\frac{u \ a \ v.}{v \ \text{rdf:type} \ \text{rdfs:Resource.}}$
rdfs5	$\frac{u \ \text{rdfs:subPropertyOf} \ v. \quad v \ \text{rdfs:subPropertyOf} \ x.}{u \ \text{rdfs:subPropertyOf} \ x.}$
rdfs6	$\frac{u \ \text{rdf:type} \ \text{rdf:Property.}}{u \ \text{rdfs:subPropertyOf} \ u.}$
rdfs7	$\frac{a \ \text{rdfs:subPropertyOf} \ b. \quad u \ a \ y.}{u \ b \ y.}$
rdfs8	$\frac{u \ \text{rdf:type} \ \text{rdf:Class.}}{u \ \text{rdfs:subClassOf} \ \text{rdfs:Resource.}}$
rdfs9	$\frac{u \ \text{rdfs:subClassOf} \ x. \quad v \ \text{rdf:type} \ u.}{u \ \text{rdf:type} \ x.}$
rdfs10	$\frac{u \ \text{rdf:type} \ \text{rdfs:Class.}}{u \ \text{rdfs:subClassOf} \ u.}$
rdfs11	$\frac{u \ \text{rdfs:subClassOf} \ v. \quad v \ \text{rdfs:subClassOf} \ x.}{u \ \text{rdfs:subClassOf} \ x.}$
rdfs12	$\frac{u \ \text{rdf:type} \ \text{rdfs:ContainerMembershipProperty.}}{u \ \text{rdfs:subPropertyOf} \ \text{rdfs:member.}}$
rdfs13	$\frac{u \ \text{rdf:type} \ \text{rdfs:Datatype.}}{u \ \text{rdfs:subClassOf} \ \text{rdfs:Literal.}}$
gl	$\frac{u \ a \ _ :n.}{u \ a \ l.}$