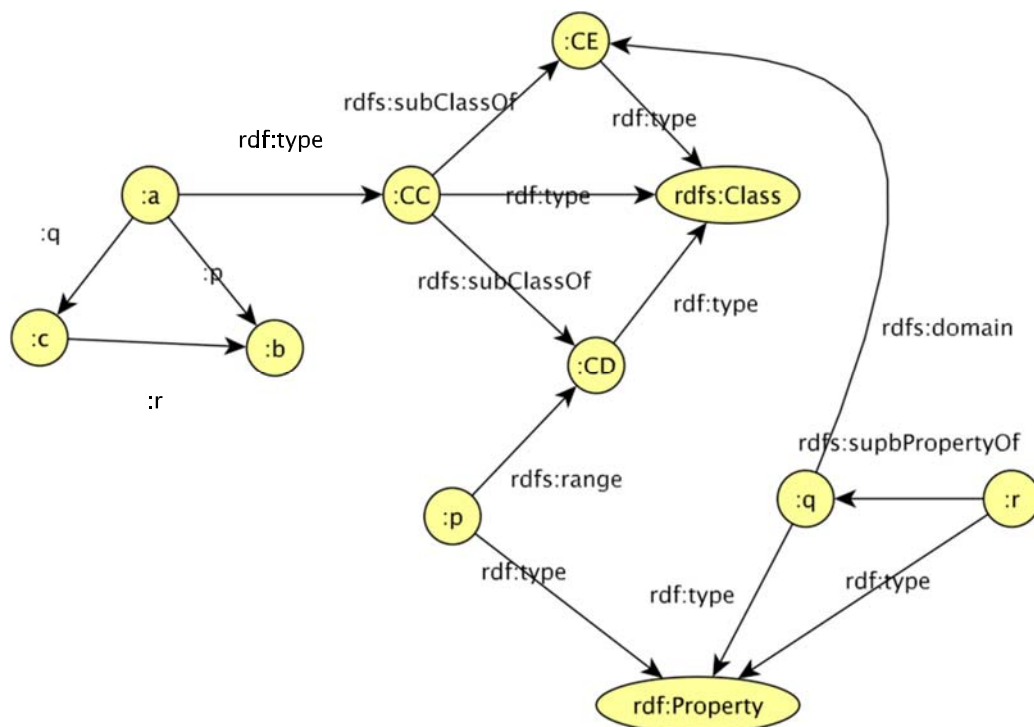# Exercise on RDFS entailment
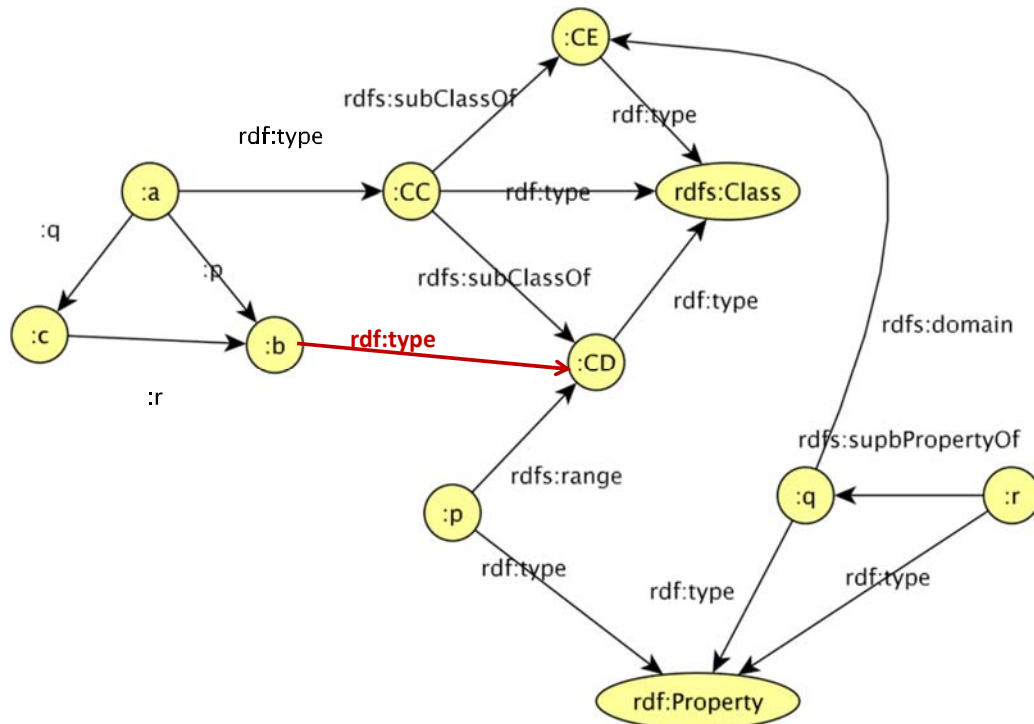
C. Métral

Semantic Web Technologies

RDFS entailment

RDFS entailment

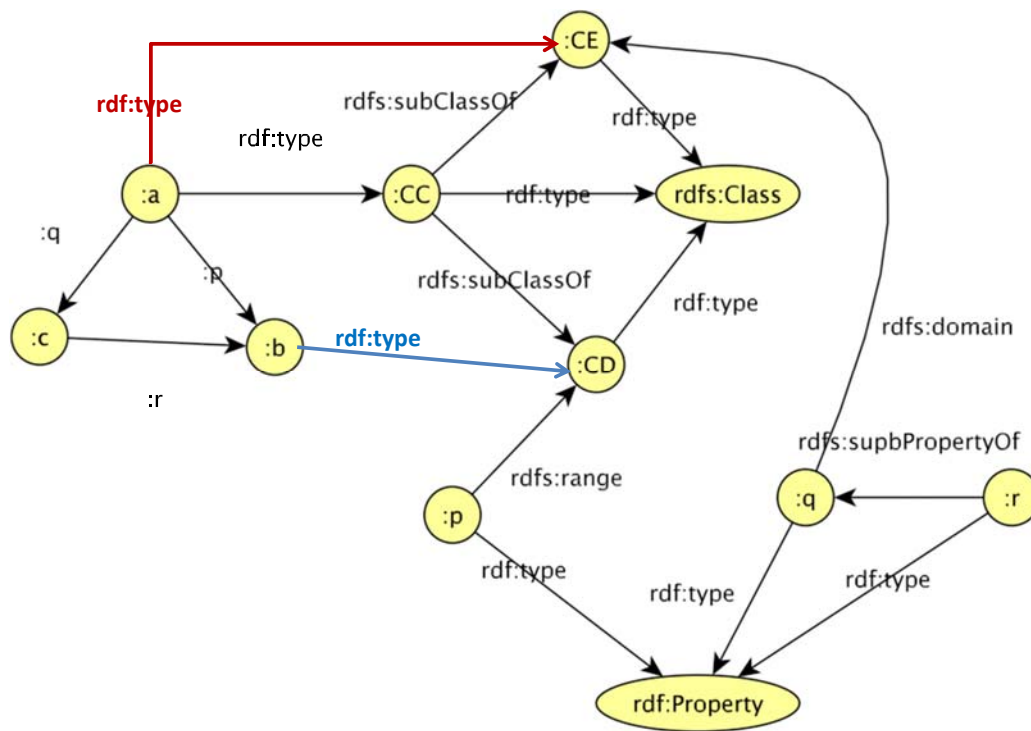# RDFS entailment

:a :p :b .
:p rdfs:range :CD .

:b rdf:type :CD .

RDFS entailment
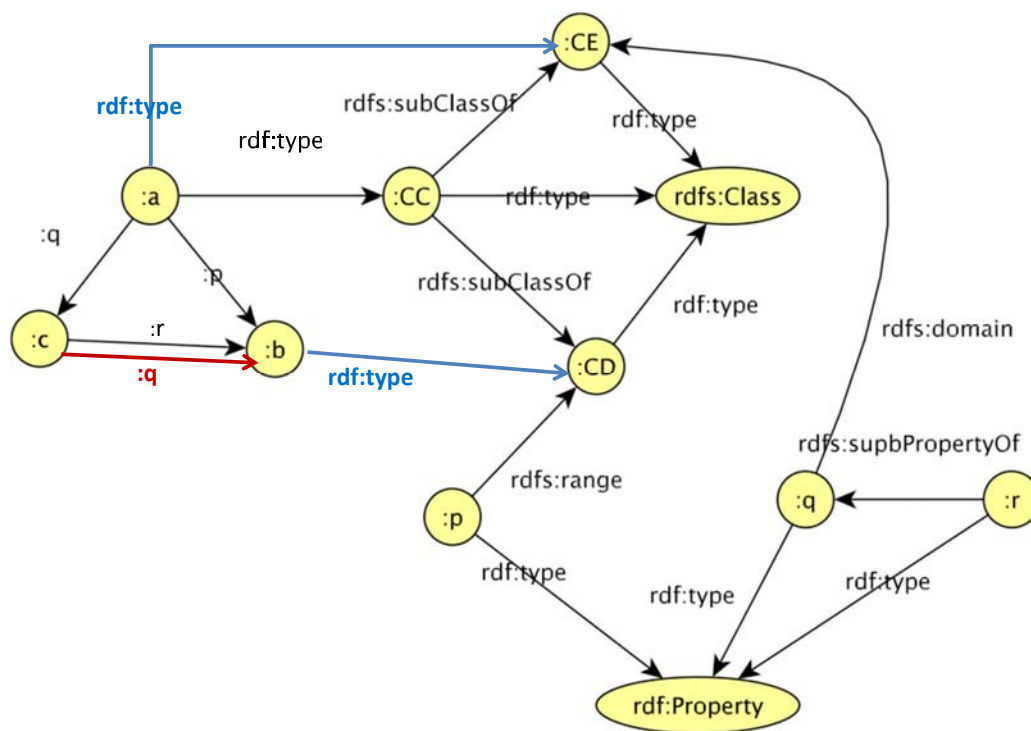
RDFS entailment

:a :q :c .
:q rdfs:domain :CE .

:a rdf:type :CE .

:a rdf:type :CC .
:CC rdfs:subClassOf :CE .

:a rdf:type :CE .

RDFS entailment

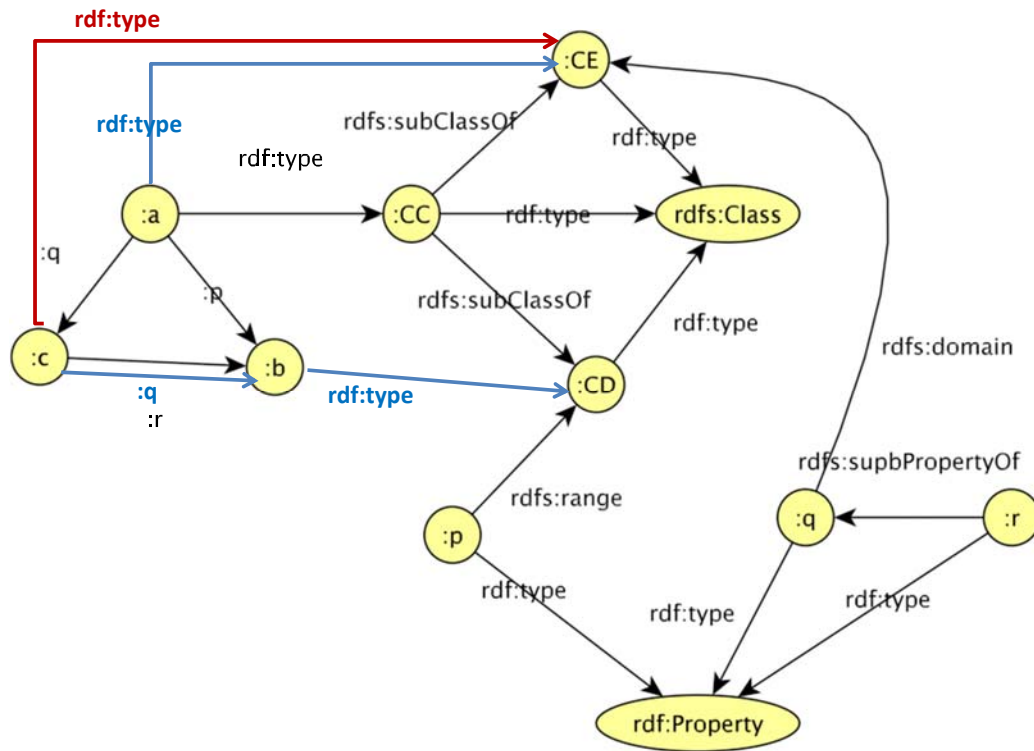# RDFS entailment

:c :r :b .
:r rdfs:subPropertyOf :q .
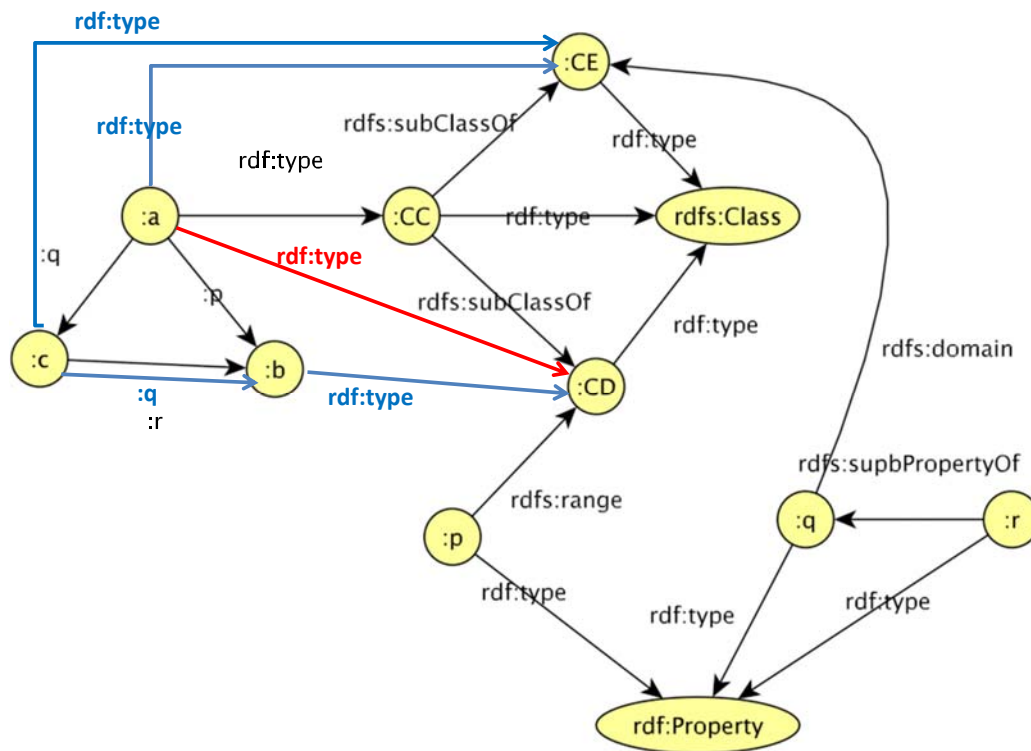
:c :q :b .

RDFS entailment

RDFS entailment

:c :r :b .
:r rdfs:subPropertyOf :q .
:c :q :b .
:q rdfs:domain :CE .

:c rdf:type :CE .

RDFS entailment

RDFS entailment

:a rdf:type :CC .
:CC rdfs:subClassOf :CD .

:a rdf:type :CD .

RDFS entailment