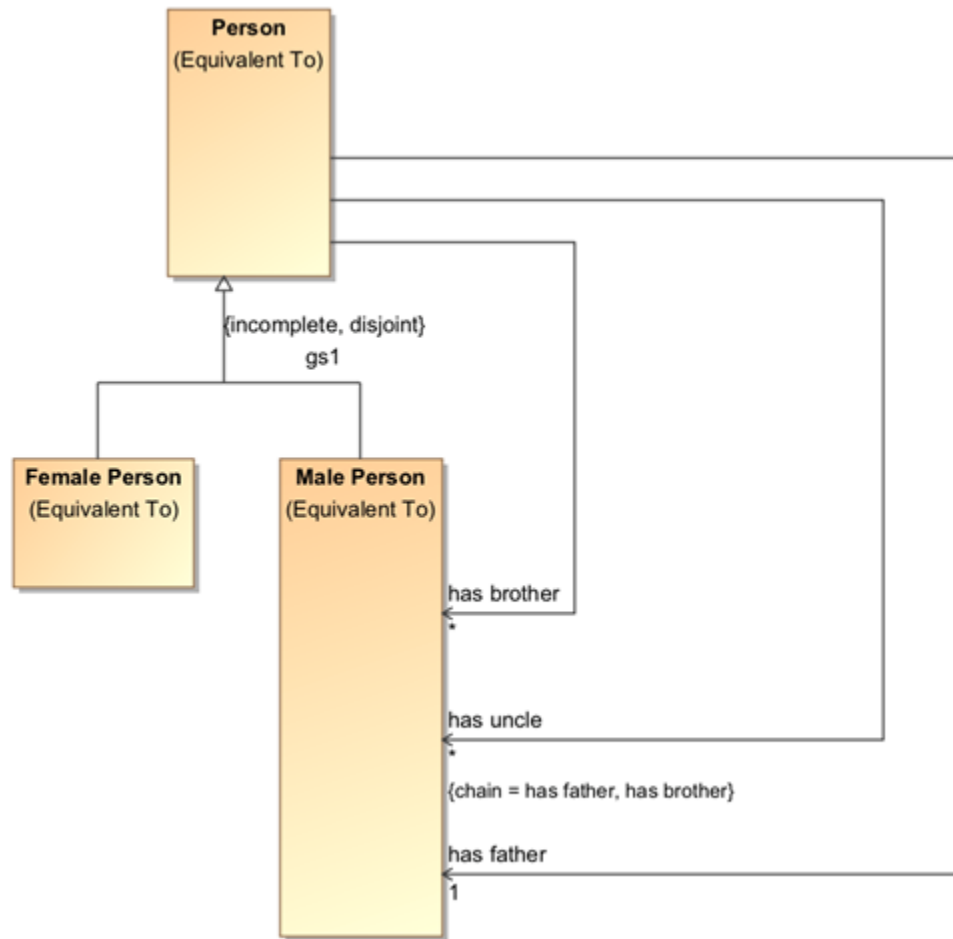


# Property chains



Properties in a property chain.

```

Ontology(<http://example.com/ontology/Unnamed>
  Declaration(Class(:FemalePerson))
  Declaration(Class(:MalePerson))
  Declaration(Class(:Person))
  Declaration(ObjectProperty(:hasBrother))
  Declaration(ObjectProperty(:hasFather))
  Declaration(ObjectProperty(:hasUncle))
  AnnotationAssertion(rdfs:label :FemalePerson "Female Person"@en)
  SubClassOf(:FemalePerson :Person)
  DisjointClasses(:FemalePerson :MalePerson)
  AnnotationAssertion(rdfs:label :MalePerson "Male Person"@en)
  SubClassOf(:MalePerson :Person)
  AnnotationAssertion(rdfs:label :Person "Person"@en)
  SubClassOf(:Person ObjectIntersectionOf(ObjectMaxCardinality(1 :hasFather :MalePerson)
ObjectMinCardinality(1 :hasFather :MalePerson)))
  AnnotationAssertion(rdfs:label :hasBrother "has brother"@en)
  ObjectPropertyDomain(:hasBrother :Person)
  ObjectPropertyRange(:hasBrother :MalePerson)
  AnnotationAssertion(rdfs:label :hasFather "has father"@en)
  ObjectPropertyDomain(:hasFather :Person)
  ObjectPropertyRange(:hasFather :MalePerson)
  AnnotationAssertion(rdfs:label :hasUncle "has uncle"@en)
  ObjectPropertyDomain(:hasUncle :Person)
  ObjectPropertyRange(:hasUncle :MalePerson)
  SubObjectPropertyOf(ObjectPropertyChain(:hasFather :hasBrother) :hasUncle)
)

```

**Related page**

- [UML to Equivalent OWL in OWL Functional Syntax](#)