```
Prefix(:=<http://www.semanticweb.org/grupo21/ontologies/2019/4/grupo21#>)
     Prefix(owl:=<http://www.w3.org/2002/07/owl#>)
3
     Prefix (rdf:=<http://www.w3.org/1999/02/22-rdf-syntax-ns#>)
4
     Prefix(xml:=<http://www.w3.org/XML/1998/namespace>)
5
     Prefix(xsd:=<http://www.w3.org/2001/XMLSchema#>)
6
     Prefix(rdfs:=<http://www.w3.org/2000/01/rdf-schema#>)
 7
 8
9
     Ontology (<a href="http://www.semanticweb.org/grupo21/ontologies/2019/4/2x2">http://www.semanticweb.org/grupo21/ontologies/2019/4/2x2</a>
10
11
     Declaration(Class(:D1))
12
     Declaration(Class(:Fml))
13
     Declaration(Class(:Var))
14
     Declaration(ObjectProperty(:v11))
15
     Declaration(ObjectProperty(:v12))
16
     Declaration(ObjectProperty(:v21))
17
     Declaration(ObjectProperty(:v22))
18
     Declaration (NamedIndividual (:d1val1))
19
     Declaration (NamedIndividual(:d1val2))
20
     Declaration (NamedIndividual(:fml))
21
     Declaration (NamedIndividual (:map))
22
     ################################
23
         Object Properties
24
     ###################################
25
26
     # Object Property: :v11 (:v11)
27
28
     FunctionalObjectProperty(:v11)
29
     ObjectPropertyDomain(:v11 :Var)
30
     ObjectPropertyRange(:v11 :D1)
31
32
     # Object Property: :v12 (:v12)
33
34
     FunctionalObjectProperty(:v12)
35
     ObjectPropertyDomain(:v12 :Var)
36
     ObjectPropertyRange(:v12 :D1)
37
38
     # Object Property: :v21 (:v21)
39
40
     FunctionalObjectProperty(:v21)
41
     ObjectPropertyDomain(:v21 :Var)
42
     ObjectPropertyRange(:v21 :D1)
43
     # Object Property: :v22 (:v22)
44
45
46
     FunctionalObjectProperty(:v22)
47
     ObjectPropertyDomain(:v22 :Var)
48
     ObjectPropertyRange(:v22 :D1)
49
50
51
     ###################################
52
         Classes
53
     #############################
54
55
     # Class: :D1 (:D1)
56
57
     EquivalentClasses(:D1 ObjectOneOf(:d1val1 :d1val2 ))
58
59
     # Class: :Fml (:Fml)
60
61
     EquivalentClasses(:Fml ObjectIntersectionOf( ObjectComplementOf(
     ObjectIntersectionOf(ObjectHasValue(:v11 :d1val1)ObjectHasValue(:v12 :d1val1)))
     ObjectComplementOf(ObjectIntersectionOf(ObjectHasValue(:v11:d1val2)
     ObjectHasValue(:v12 :d1val2))) ObjectComplementOf( ObjectIntersectionOf(
     ObjectHasValue(:v11 :d1val1) ObjectHasValue(:v21 :d1val1))) ObjectComplementOf(
     ObjectIntersectionOf(ObjectHasValue(:v11 :d1val2)ObjectHasValue(:v21 :d1val2)))
     ObjectComplementOf( ObjectIntersectionOf( ObjectHasValue(:v12 :d1val1)
     ObjectHasValue(:v22 :d1val1))) ObjectComplementOf( ObjectIntersectionOf(
     ObjectHasValue(:v12 :d1val2) ObjectHasValue(:v22 :d1val2))) ObjectComplementOf(
     ObjectIntersectionOf(ObjectHasValue(:v21 :d1val1)ObjectHasValue(:v22 :d1val1)))
     ObjectComplementOf(ObjectIntersectionOf(ObjectHasValue(:v21 :d1val2)
     ObjectHasValue(:v22 :d1val2))) ObjectIntersectionOf( ObjectHasValue(:v11 :d1val1)
     ObjectHasValue(:v12 :d1val2))))
```

```
62
63
     # Class: :Var (:Var)
64
65
     EquivalentClasses(:Var ObjectExactCardinality(1 :v11 :D1))
66
     EquivalentClasses(:Var ObjectExactCardinality(1 :v12 :D1))
67
     EquivalentClasses(:Var ObjectExactCardinality(1 :v21 :D1))
     EquivalentClasses(:Var ObjectExactCardinality(1 :v22 :D1))
68
69
70
71
     ################################
72
         Named Individuals
73
     ###############################
74
75
     # Individual: :d1val1 (:d1val1)
76
77
     ClassAssertion(:D1 :d1val1)
78
79
     # Individual: :d1val2 (:d1val2)
80
81
     ClassAssertion(:D1 :d1val2)
82
83
     # Individual: :fml (:fml)
84
85
     ClassAssertion(:Fml :fml)
86
     SameIndividual(:fml :map)
87
88
     # Individual: :map (:map)
89
90
     ClassAssertion(:Var :map)
91
92
93
     DifferentIndividuals(:d1val1 :d1val2 )
94
```