```
uri "http://sadl.org/MinimalExampleWithRules.sadl" alias mexwr.
import "http://sadl.org/ScientificConcepts1.sadl".
Rule velocityOfPhysicalObject:
      if o is a PhysicalObject with position p and [vv, vu] is derivative(p,
^time, 1)
      then ^value of velocity of o is vv and unit of velocity of o is vu.
Rule accelerationOfPhysicalObject1:
      if o is a PhysicalObject with velocity v and [accv, accu] is derivative(v,
      then ^value of acceleration of o is accv and unit of acceleration of o is
accu.
Rule accelerationOfPhysicalObject2:
      if o is a PhysicalObject with position p and [accv, accu] is derivative(p,
^time, 2)
      then ^value of acceleration of o is accv and unit of acceleration of o is
accu.
Rule momentumOfPhysicalObject:
      if o is a PhysicalObject with velocity v and
             p is a Momentum with ^value (^value of mass of o * ^value of
velocity of o),
                    with unit unitResolver("*", unit of mass of o, unit of
velocity of o)
      then momentum of o is p.
Rule newtons2ndLaw:
      if o is a PhysicalObject and p is momentum of o and
             [pv, pu] is derivative(p, ^time, 1)
      then there exists (a Force with ^value pv, with unit pu) and
             force of o is the Force.
```