

```

fact existent{
  #(SpecialArea)>= 1
}

fact plugsConstarint{
  all s:SpecialArea | #(s.specialPositions) = s.plugs
}

fact specialAreaConstraint{
  all p: SpecialArea.specialPositions | (p in
SafeArea.safePositions) &&
  (#(SpecialArea.specialPositions) <
#(SafeArea.safePositions))
}

fact differentPositionInDifferentSecialArea{
  all s1,s2: SpecialArea | all p: s1.specialPositions |
(s1 !=s2) implies ((p in s1.specialPositions) and (p not in
s2.specialPositions))
}

-----Car part-----

//there are no less than two seats
sig Car{
  code: Int,
  seats: Int,
  state: one State,
}{
  code>= 0
  seats>= 2
  seats<= 5
}

fact indentificationByCode{
  all c1, c2: Car | (c1 != c2) implies (c1.code !=
c2.code)
}

```