

-----List part-----

```
sig List{
    code: Int,
    cars: some Car,
    pair: one PairOfWorkers,
}{
    code > 0
#cars > 0
}

fact uniqueList{
    all l1,l2: List | (l1!=l2) implies (l1.code!=l2.code)
}

fact phaseOfCarInTheList{
    all c: List.cars |
c.state.phase=parkUnsafeOrChargeOnSite
}

fact differentList{
    all l1,l2: List | all c: l1.cars | (l1!=l2) implies
!(c.isInList[l2])
}

fact listConstraints{
    all c:Car | (c.state.phase=parkUnsafeOrChargeOnSite)
implies (c in List.cars)
}
```

-----Assertions part-----

```
assert NoAllSafeAreaInSpacialeArea{
    no s:SafeArea | all p:s.safePositions | p in
SpecialArea.specialPositions
}

assert NoCarUsedAndInFreePhase {
    all c: Car |all u: User | (c.state.usedBy = u) implies
!(c.state.phase = free)
}
```