В этом фрагменте кода автомобили, въезжающие в зону действия перекрестка неорганизованным потоком, получают корректирующую команду от системы управления перекрестком. Команда состоит из дистанции от БТС, идущего впереди и времени, за которое эта дистанция должна быть обеспечена.

Здесь **VCars** и **HCars** – наборы всех ТС, находящихся в зоне действия перекрестка.

Sub Control(ByRef VCars As collection, ByRef HCars As collection)

Dim parentVCar As New CVCar

Dim parentHCar As New CHCar

Dim vcar As CVCar

Dim hcar As CHCar

Dim l As Integer

Dim r As Integer

Dim j As Integer

Dim i As Integer

Dim collection As New collection

For r = 1 To 2

Set collection = gCurrentVirtualCars(r)

For l = 1 To pHLanes

For j = HCars.Count To 1 Step -1

Set hcar = HCars(j)

If hcar.road = r And hcar.lane = l And hcar.virtual = False And hcar.CarAhead Is Nothing \_

And hcar.MarkToRemove = False Then

Set parentHCar = collection(l)

i = 0

Do While Not parentHCar.Child Is Nothing

Set parentHCar = parentHCar.Child

i = i + 1

If i >= gCarsInGroup Then Exit Do

Loop

If i < gCarsInGroup Then

hcar.CarAhead = parentHCar

parentHCar.Child = hcar

hcar.ControlDistance = 10

hcar.ControlTime = pControlTime

Exit For

Else

i = i

End If

End If

Next j

Next l

Next r

For r = 3 To 4

Set collection = gCurrentVirtualCars(r)

For l = 1 To pVLanes

For j = VCars.Count To 1 Step -1

Set vcar = VCars(j)

If vcar.road = r And vcar.lane = l And vcar.virtual = False And vcar.CarAhead Is Nothing \_

And vcar.MarkToRemove = False Then

Set parentVCar = collection(l)

i = 0

Do While Not parentVCar.Child Is Nothing

Set parentVCar = parentVCar.Child

i = i + 1

If i >= gCarsInGroup Then Exit Do

Loop

If i < gCarsInGroup Then

vcar.CarAhead = parentVCar

parentVCar.Child = vcar

vcar.ControlDistance = 10

vcar.ControlTime = pControlTime

Exit For

End If

End If

Next j

Next l

Next r

End Sub