**Part1**

Question 1:

(ArrivalTime)+ ={ArrivalTime, DepartureTime},

(DepartureTime)+ = {DepartureTime},

(Location)+ = {Location},

(Bus)+ = {Bus}

(ArrivalTime, DepartureTime) + = {ArrivalTime, DepartureTime}

(ArrivalTime, Location) + = {ArrivalTime, Location, DepartureTime, Bus}

(ArrivalTime, Bus)+ = {ArrivalTime, Bus, DepartureTime, Location}

(DepartureTime, Location)+ = {DepartureTime, Location, Bus}

(DepartureTime, Bus)+ = {DepartureTime, Bus}

(Location, Bus)+ = {Location, Bus}

(ArrivalTime, DepartureTime, Location)+ = {ArrivalTime, DepartureTime, Location. Bus}

(ArrivalTime, DepartureTime, Bus)+ = {ArrivalTime, DepartureTime, Location}

(DepartureTime, Location, Bus)+ = {DepartureTime, Location, Bus}

Question 2:

(ArrivalTime, Location) + = {ArrivalTime, Location, DepartureTime, Bus}

(ArrivalTime, Bus)+ = {ArrivalTime, Bus, DepartureTime, Location}

Questions 3:

{ArrivalTime} -> {DepartureTime}

{DepatureTime, Location} -> {Bus}

{ArrivalTime, Location} -> {DepartureTime, Bus}

{ArrivalTime, Bus}-> {DepartureTime, Location}

{ArrivalTime, Location, Bus} -> {DepartureTime}

{ArrivalTime, DepartureTime, Location} -> {Bus}

{ArrivalTime, DepartureTime, Bus} -> {Location}

**Part2**

Question 4:

(Bus, DepartureTime) + ={Bus, DepartureTime, Driver, Capacity}

(Bus)+ ={Bus, Capacity}

(Route, DepartureTime)+ = {Route, DepartureTime, Bus, Capacity, Driver}

Question 5:

Split1:

Shuttle(DepartureTime, Route, Driver)

CurrentBus(Bus, Capacity)

Split2:

Shuttle(Departure, Route)

Departure(DepartureTime, Driver, Bus) -- departure time and bus gives the driver

CurrentBus(Bus, Capacity)