**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)+ = null set

(Location, Bus)+ = null set

(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: (fix?)

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

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

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

{DepartureTime, Bus}-> {null set}

{Location, Bus}-> {null set}

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

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

**Part2**

Question 4:

(DepartureTime)+ ={DepartureTime}

(Route)+ ={Route}

(Driver)+ ={Driver}

(Bus)+ ={Bus, Capacity}

(Capacity)+ ={Capacity}

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

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

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

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

(Route, Driver)+ ={Route, Driver}

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

(Route, Capacity)+ ={Route, Capacity}

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

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

Question 5: