/\*

Database of Airlines

Table1: Customer Id, Ticket ID, Origin, Destination, Start time and end Time

Table2: Flight Number, Date, Origin, Destination, Start time and end time of the flight

Assumption: There can be only one flight taking off from an airport at a given time

Desired Output – for given cust\_id, ticket\_id, need sequence of all flight\_no used for the trip (all connecting flights)

Table1 : cust\_id, ticket\_id, first\_cust\_port, last\_cust\_port, cust\_start, cust\_end

Table2 : flight\_no, date, orig\_port, dest\_port, flight\_start, flight\_end

\*/

**data** cust\_data;

input cust\_id $ ticket\_id first\_cust\_port $ last\_cust\_port $ cust\_start cust\_end;

datalines;

A123 9342312 Delhi Mumbai 815 1730

A456 6542312 Delhi Mumbai 830 1015

A789 7542312 Delhi Mumbai 845 1330

;

**data** flight\_data;

input flight\_no $ date $ orig\_port $ dest\_port $ flight\_start flight\_end;

datalines;

B99 04042014 Delhi Mumbai 830 1015

B89 04042014 Delhi Jaipur 845 1045

B69 04042014 Jaipur Mumbai 1130 1330

B79 04042014 Delhi Agra 815 1130

B59 04042014 Agra Surat 1230 1430

B49 04042014 Surat Pune 1445 1530

B39 04042014 Pune Mumbai 1615 1730

;

Problem: Flights to Trip mapping using genetic code which can work for any number of connecting flights i.e. recursive megres - pls send the python code leveraging 'Case Study\_2\_Flights.docx'

Cust\_start , Cust\_end should give you generic flight details.