3.2

a) Relações:

Airport, Airplane, AirplaneType, LegInstance, Seat, Fare, Flight, FlightLeg.

Esquemas:

Airport(id, city, state, name);

Airplane(airplane\_id, seat\_no, airplane\_type);

AirplaneType (company, type\_name, max\_seats);

LegInstance (leg\_num, date, num\_of\_avail\_seats);

Seat (seat\_no, seat\_num, date, leg\_num, flight\_num);

Fare (code, restrictions, amount);

Flight (flight\_num, airline, weekdays);

b)

Airport: chaves candidatas = { id, City, Name};

chave primária={ id };

chaves estrangeiras={};

Airplane: chaves candidatas={ airplane\_id };

chave primária={ airplane\_id };

chaves estrangeiras={ airplane\_type };

AirplaneType: chaves candidatas={ Type\_name };

chave primária={ Type\_name };

chaves estrangeiras={}:

LegInstance: chaves candidatas={ leg\_num, date, num\_of\_avail\_seats };

chave primária={ leg\_num, date, num\_of\_avail\_seats };

chaves estrangeiras={ leg\_num };

Seat: chaves candidatas={ seat\_num, leg\_num, flight\_num, date };

chave primária={ seat\_num, date, leg\_num, flight\_num };

chaves estrangeiras={ date, leg\_num, flight\_num };

Fare: chaves candidatas={ code };

chave primária={ code };

chaves estrangeiras={ }

Flight: chaves candidatas={ flight\_num };

chave primária={ flight\_num };

chaves estrangeiras={ }