Πtrain\_name, count(\*)

σcount(\*)>4

γtrain\_name,arrival\_time

Train

Route

⋈r.train\_id = t.train\_id

ΠPassenger\_name, Train\_name, Ticket\_price, ti.Ticket\_id, Ticket\_status, Status\_date

σTicket\_price=35 σcount(\*)>4

⋈p.train\_id=ti.train\_id

TrainStatus

⋈p.ticket\_id=ti.ticket\_id

Ticket

⋈t.train\_id=p.train\_id

Passenger

Train

Πtrain\_id,Train\_name, Average(Ticket\_price)

γtrain\_id,train\_name

⋈ti.ticket\_id = tt.ticket\_id

Ticket

Πt.train\_id, train\_name, ticket\_id

⋈t.train\_id=p.train

Train

Passenger

Πp.passenger\_id,passenger\_name,age,t.train\_id,t.train\_name

τpassenger\_name(passenger)

σt.train\_id=p.train\_id

X

Passenger

Train

Πtrain\_name

σtrain\_id=route.train\_id

X

X

Train

Πt.train\_id

σroute\_point=”San Francisco”

route

Πtrain\_name,train\_id,arrival\_time,route\_point

σArrival\_time>0 and arrival\_time < 12

⋈r.train\_id = t.train\_id

Train

Route