### Ethan Dunham

### Assignment 3

### CS 340

### 7/31/17

### Π(make\_name, model\_name)(σ (first\_production\_year=1976)((Vehicle ⋈(fk\_make\_id=make\_id) Make) ⋈(fk\_model\_id=model\_id)Model)))

### Π(make\_name, model\_name)(σ (name=”Blue”)((((Vehicle ⋈(fk\_make\_id=make\_id) Make) ⋈(fk\_model\_id=model\_id)Model) ⋈(vehicle\_id=fk\_vehicle\_id)Inventory) ⋈( fk\_color\_id=color\_id)Color))

### Π(make\_name, model\_name, amount)(σ (type=”dealer”)((((Vehicle ⋈(fk\_make\_id=make\_id) Make) ⋈(fk\_model\_id=model\_id)Model) ⋈(vehicle\_id=fk\_vehicle\_id)Vehicle\_Incentive) ⋈( fk\_incentive\_id=incentive\_id)Incentive))

### Π(id, team\_name, city\_name)(σ (score=100)((Player ⋈( team\_id =id)(Team⋈(city\_id=id)City))

### SELECT Make.make\_name, Model.model\_name, Incentive.amount FROM Vehicle

### INNER JOIN Make ON Vehicle.fk\_make\_id=make.id

### INNER JOIN Model ON Vehicle.fk\_model\_id=model.id

### INNER JOIN Vehicle\_Incentive ON Vehicle.fk\_vehicle\_id=Vehicle\_Incentive.id

### INNER JOIN Incentive ON Vehicle\_Incentive.fk\_incentive\_id=Incentive.id

### WHERE Incentive.type=”dealer”