## Car Salesman

Define two classes **Car** and **Engine.** A **Car** has a **model, engine, weight** and **color**. An Engine has **model**, **power, displacement** and **efficiency**. A Car's **weight** and **color** and its Engine's **displacements** and **efficiency** are **optional**.

On the first line, you will read a number **N** which will specify how many lines of engines you will receive, on each of the next **N** lines you will receive information about an **Engine** in the following format "<**Model> <Power> <Displacement> <Efficiency>**". After the lines with engines, on the next line you will receive a number **M** – specifying the number of Cars that will follow, on each of the next **M** lines the information about a **Car** will follow in the following format "<**Model> <Engine> <Weight> <Color>**", where the engine in the format will be the **model of an existing** **Engine**. When creating the object for a **Car**, you should keep a **reference to the real engine** in it, instead of just the engines model, **note** that the optional properties **might be missing** from the formats.

Your task is to print each car (in the **order** you **received** them) and its information in the format defined bellow. If any of the optional fields has not been given print "**n/a**" in its place instead of:

**<CarModel>:  
<EngineModel>:  
Power: <EnginePower>  
Displacement: <EngineDisplacement>  
Efficiency: <EngineEfficiency>  
Weight: <CarWeight>  
Color: <CarColor>**

### Optional

Override the classes **ToString()** methods to have a reusable way of displaying the objects.

### Examples

|  |  |
| --- | --- |
| **nput** | **Output** |
| 2  V8-101 220 50  V4-33 140 28 B  3  FordFocus V4-33 1300 Silver  FordMustang V8-101  VolkswagenGolf V4-33 Orange | FordFocus:  V4-33:  Power: 140  Displacement: 28  Efficiency: B  Weight: 1300  Color: Silver  FordMustang:  V8-101:  Power: 220  Displacement: 50  Efficiency: n/a  Weight: n/a  Color: n/a  VolkswagenGolf:  V4-33:  Power: 140  Displacement: 28  Efficiency: B  Weight: n/a  Color: Orange |
| 4  DSL-10 280 B  V7-55 200 35  DSL-13 305 55 A+  V7-54 190 30 D  4  FordMondeo DSL-13 Purple  VolkswagenPolo V7-54 1200 Yellow  VolkswagenPassat DSL-10 1375 Blue  FordFusion DSL-13 | FordMondeo:  DSL-13:  Power: 305  Displacement: 55  Efficiency: A+  Weight: n/a  Color: Purple  VolkswagenPolo:  V7-54:  Power: 190  Displacement: 30  Efficiency: D  Weight: 1200  Color: Yellow  VolkswagenPassat:  DSL-10:  Power: 280  Displacement: n/a  Efficiency: B  Weight: 1375  Color: Blue  FordFusion:  DSL-13:  Power: 305  Displacement: 55  Efficiency: A+  Weight: n/a  Color: n/a |