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CSCI 480

3/23/20

Logic Problem

Known conditions:

* Burt drove the Cobra. **(1)**
* John’s car finished immediately behind the Alfa. **(2)**
* Jim drove the last place car. **(3)**
* Beaufort drove Mary’s car. **(4)**
* Jean did not own the car Jim was in. **(5)**

Problem solving:

* From **(2)** and **(3)** Jim did not drive the Alfa. **(6)**
* From **(6)** and **(1)** Jim drove the Jaguar. **(7)**
* From **(7)** and **(1)** Beaufort drove the Alfa. **(8)**
* From **(8)** and **(4)** Mary owns the Alfa. **(9)**
* From **(9)**, **(7)** and **(5)** Jean owns the Cobra. **(10)**
* From **(10)** and **(9)** John owns the Jaguar. **(11)**
* From **(7)** and **(3)** The Jaguar came in last place. **(12)**
* From **(12)**, **(11)** and **(2)** The Alfa came in second place. **(13)**
* From **(13)** and **(12)** The Cobra came in first place. **(14)**

Conclusion:

* The Cobra, owned by Jean and driven by Burt, finished in first place.
* The Alfa Romeo, owned by Mary and driven by Beaufort, finished in second place.
* The Jaguar, owned by John and driven by Jim, finished in last place.