

Find Assignment (friends)

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Problem: “Last week my friends Anne, Carl, Eva, Gustaf and I went out for dinner every night, Monday to Friday. I missed the meal on Friday because I was visiting my sister and her friends. But otherwise, every one of us had selected a restaurant for a particular night and served as a host for that dinner. Overall, the following restaurants were selected: a French bistro, a sushi bar, a pizzeria, A Greek restaurant, and the Brauhaus. Eva took us out on Wednesday. The Friday dinner was at the Brauhaus. Carl, who doesn’t eat sushi, was the first host. Gustaf had selected the bistro for the night before one of the friends took everyone to the pizzeria. Tell me, who selected which restaurant for which night?”. This puzzle has been published in [1] p. 56.

Questions

1. The solution is unique, that is there is exactly one solution. How can you check this?
2. Give a solution if Carl also hates Pizzas.

References

- [1] Stützle T. Hoos H.H. *Stochastic Local Search, Foundations and Applications*. Elsevier, 2005.
- [2] MatMod. Homepage for Learning Mathematical Modeling : <https://matmod.ch>.