

“Logic Games!”

Sunday, October 11th, 2009, Math Circle Group A

Elimination Boxes!

1. One week five friends went to eat the 5 meals on Monday through Friday. Each boy served as the host at a restaurant on a different night. Use the clues below to find who hosted the group each night and what food he selected.
 - (a) Eric could not come on Friday because he had the AMC 8 (already filled in).
 - (b) Carl hosted the group on Wednesday.
 - (c) Everyone who could come ate at a Thai restaurant on Friday.
 - (d) Bill, who detests fish, volunteered to be the first host.
 - (e) Dave hosted everyone at a steak house the night before everyone had pizza.
2. Three members of the Boston Horology Society just returned from Switzerland where they each purchased a handmade cuckoo clock. Can you work out where each person bought their clock, the name of the clockmaker and how much each clock cost, \$100, \$120, \$150?
 - (a) Gloria Greene didn't buy the cheapest clock and it wasn't the one manufactured by Franz Geisser.
 - (b) The clock bought in Geneva was manufactured by Hans Bruckner and was cheaper than the one bought by Wilbur Watson.
 - (c) Trudie Tipler didn't buy her cuckoo clock in Zurich.
 - (d) The most expensive clock was purchased in Zermatt but wasn't the one manufactured by Herman Finkel.