“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.