MATH PROBLEM OF THE WEEK
Spring 2025

Problem 9

Suppose 2025 people play in a singles tennis tournament. Is the number of people who have played an odd number of games even irrespective of the structure of the tournament? If so, give a proof. If not, provide a counterexample.

We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of $500.

Solutions must be mathematically rigorous and originally obtained by the participants. Participants will be notified if their solutions are correct within a week.

Deadline: Monday, April 28, 10 am

This is the last problem of Spring 2024 and carries points equivalent to three problems. We will return in September 2025.