PROBLEM OF THE WEEK 21

Due Wednesday, April 3 at 5:00 pm

Question. In a tournament with 40 teams, every team plays every other team once. In any given game, the probability of winning is $1/2$ for both teams. What is the probability that there are no two teams with the same number of wins at the end of the tournament?

- All answers should be clearly explained. Submit it to the Math/Stat Office, AMB 107.

- If your instructor gives you credit for POTW, write his/her name with the class number.

- Contact Bahattin Yildiz with questions: bahattin.yildiz@nau.edu (AMB 134)

- The problems are available online at https://naumathstat.github.io/problem-of-the-week/