

Problem of the week #10

Due November 8th

Problem. What is the maximum number of distinct sets that can be created using unions, intersections, and three sets A , B , C ? (So for instance, A , $A \cup B$, and $(A \cup B) \cap C$ are all counted.) Explain.

- Partial credit may be given for partial answers.
- Solution will be due the following week at 1pm.
- Questions? Email: bthorner@unomaha.edu
- Submit solutions to (above email), DSC 210, or DSC 203.
- POWs, solutions, backgrounds, leaderboard available at

https://www.unomaha.edu/college-of-arts-and-sciences/mathematics/student-opportunities/pow_solutions.php