The problem of the week will return in the Spring 26 semester. We thank everyone who participated this Fall. For the winter break, we suggest reviewing all the problems from the Fall and working on the additional problems posted at the bottom of the provided solutions.

- <u>Problem 7</u> Solved by Levi Axelrod and Matt Wolak.

- <u>Problem 6</u> Solution submitted by Gerald Marchesi, Trinidad Segovia (a freshman student at Purdue University), and Mathew Wolak.

- <u>Problem 5</u> Solution submitted by Ashton Keith (Purdue University), Gerald Marchesi, and Alif Miah.

- <u>Problem 4</u> Solution submitted by Alif Miah,Takeru Sueyoshi (from Anglo-Chinese Junior College based in Singapore), and Mathew Wolak.

- <u>Problem 3</u> No solutions were submitted.

- <u>Problem 2</u> Solved by Gerald Marchesi, Josiah Moltz, and Mathew Wolak.

- <u>Problem 1</u> Solution submitted by Raisha Chowdhury, Gerald Marchesi, Josiah Moltz, and Mathew Wolak.