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The problem of the week will return in the Spring 24 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> Solution submitted by Sasha Aksenchuk.
- Problem 6 No correct solutions were received.
- <u>Problem 5</u> Solved by Sasha Aksenchuk, Dr. Saurabh A. Chandorkar (Indian Institute of Science), Prof. Vladislav Kargin, Mithun Padinhare Veettil, Eric Wang.
- Problem 4 Solved by Dr. Mathew Wolak.
- Problem 3 No solutions were submitted.
- Problem 2 Solved by Sasha Aksenchuk, Prof. Vladislav Kargin, Ashton Keith (Purdue U.), and Mithun Padinhare Veettil.
- Problem 1 Solutions submitted by Sasha Aksenchuk, Prof. Vladislav Kargin, Mithun Padinhare Veettil, and Daniel J.
 Riley (Tufts U.).

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