PROBLEM OF THE WEEK 19
Due Wednesday, March 11 at 5:00 pm

Question. Find the number of distinct ordered k-tuples $(A_1, A_2, \ldots, A_k)$ where $A_1, A_2, \ldots, A_k \subseteq \{1, 2, \ldots, n\}$ and $A_1 \cap A_2 \cap \cdots \cap A_k = \emptyset$.

- 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)