

PROBLEM OF THE WEEK 6

Due Wednesday, October 23 at 5:00 pm

Question. Let A be a subset of positive integers with the following two properties:

1. For any $a \in A$, we have $a < 102$
2. If $a, b \in A$ then $a + b \notin A$.

What is the largest number of elements A can have?

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- 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)