Homework #1 is now available

ZHENG, HAOXIN

All Sections

Hi All,

Homework #1 is now available. The homework will due on **11:59 PM, Oct. 11th** on Gradescope. ***No late homework acceptable.***

All algorithms/proofs should be in bullet form: step by step. If handwritten, then the submission should be visually clear enough for us to understand.

Questions are:

1. Exercise 3, Page 22

2. Exercise 4, on Page 22

3. Exercise 6 on page 25

4. Exercise 4 on page 67

5. a). Prove (by induction) that sum of the first n integers (1+2+....+n) is n(n+1)/2
   b). What is 1^3 + 2^3 + 3^3 + ... + n^3 = ? Prove your answer by induction.

6. Given an array A of size N. The elements of the array consist of positive integers. You have to find the largest element with minimum frequency.

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