CS70 Summer 2018 — Solutions to Homework 0

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Collaborators: NONE

Sundry

I certify that all solutions are entirely in my words and that I have not looked at another student's solutions. I have credited all external sources in this write up. — Sung Hyun Harvey Woo

1. Administrivia

(a) http://www.eecs70.org/

(b) Homework: 15%
Midterm 1: 22%
Midterm 2: 22%
Final: 40%
Sundry: 1%

2. Course Policies

(a) Yes. Alice and Bob must write up their respective solutions on their own.

(b) No. Carol took Dan's approach to the problem and wrote up her own solution, crediting Dan in her submission.

(c) Yes. Erin is in possession of someone else's solution, which is not okay regardless of if she wrote her own solution or if she gave a citation to the author.

(d) Yes. Even if Frank credited Grace for her solution. He was in possession of someone else's solution to the homework and copied the solution.

(e) Yes. Even with the citation, Irene was in possession of someone else's solution.

3. Use of Piazza

(a) 8

(b) First of all, given that theorem XYZ is a complicated concept, it will probably take more than 5 minutes to answer, in which case it might be better to go to office hours or homework parties to get the question answered rather than on Piazza. In addition, as long as the question doesn't give away the answers to a homework question, instead of simply asking for the proof of theorem XYZ, it may be more helpful for others if the poster included any and all work that the poster has done so far, and rephrase the question so that it is more narrow and precise, indicating which part of it was confusing, how far the poster has gotten on the problem, where the poster got stuck, etc. so that others may answer more precisely and succinctly.

4. LaTeX

(a) $\forall x \exists y \left((P(x) \wedge Q(x,y)) \implies x \leq \sqrt{y} \right)$

(b) $\displaystyle\sum_{i=0}^{k} i = \frac{k(k+1)}{2}$