Quiz (Take-Home) 2017/11/6
CSC 286/486: Computational Complexity Fall 2017
Instructor: Lane A. Hemaspaandra TAs: Ethan Johnson, Shir Maimon, Colin Pronovost

To do this quiz, you must have signed up by 8PM on 11/6 for one of the slots on the spreadsheet whose URL will be BB-emailed to you, probably on late 11/5 or 11/6. Each slot is an hour long and will have up to two people (perhaps in rare cases more, see the end of the instructions) taking the quiz during it. Those time slots are composed of all the TA office hours starting 11/6 and going through (inclusive—so you MAY do the quiz even at the 11/15 office hour that happens on that Wednesday later than the class time) 11/15. That is a total of 7 1-hour slots (each with room for two people, and in rare cases perhaps more, again, see the end of the instructions).

And then you must show up for that slot. And then you (and whoever, if anyone, is sharing your slot) must spend that slot working (perhaps with hints from the TA) to prove the result(s) that the TA will give you to prove when you show up for your slot. The result(s) that the TA will ask you to prove may very well be closely related to—or even might direct be one or more of—the results will be implicitly or explicitly covered in the 11/6 class, namely, Theorems/Corollaries 1.2/1.3/1.4/1.5 from The Complexity Theory Companion. The TAs may be giving many or all students the same challenge(s), so please do not after taking the quiz discuss with any classmates who have not already had their slot in which they took the quiz what was on the quiz experience that the TA gave you; doing so would be an academic honesty violation.

If you have a time slot other than the 11/6 one, you of course should study the above-mentioned results/proofs in the book, unless you perfectly already understand them from the 11/6 class session. (People who have signed up for the 11/6 office hour, though, are not at a disadvantage grade-wise, since just showing up and trying seriously will, on this quiz, get you a 100%; this quiz is about definitely getting practice proving something—and getting immediate feedback on your attempts from the TA—rather than being an evaluative quiz about your skill at proving something under time pressure.) On the other hand, if you do not show up for your signed-up-for slot or do not sign up for a slot by the deadline mentioned above, you get a 0% on the quiz.)

One final issue: The sign-up sheet will have a certain number of spaces in each time slot, probably two. On one hand, please try to spread yourselves out so that in the dream case there are at most two people in each 1-hour slot. On the other hand, if when you get to the spreadsheet the only time slot you can make that remains already has its slots filled, just squeeze yourself in, e.g., if a box says Baumeister, you can change that to Endriss/Baumeister to allow you to be part of that time; again, though, please try hard to avoid putting more than 2 per time period (and if you do overload beyond two, warn the others in that slot as perhaps they can shift to another to spread people out more).

Have the TA you do this quiz with write here their signature and what time you did it and what your grade was, and they should before you even leave the room if possible put your grade on this into the 10/25 take-home quiz column in BB:

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<tr>
<th>DATE</th>
<th>TA SIGNATURE</th>
<th>GRADE</th>
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