Final, CS 333 S17

(1) Programming Exercise for each of you individually: Implement exercise 11.18 in C++; run your simulator on each of the TMs given by the 4 transition graphs on pages 118,119,120,121. In addition, run your simulator on a much larger TM that has been given during one of the in class presentations or recent homework assignments. Plus, when you demonstrate this software, I will have a TM for you to enter and run.

This exercise will be graded on a contract:

1. For a straight A grade on #1, you must create a GUI interface for inputting a TM as well as the file input indicated in the statement of the exercise. Of course, this assumes that you meet all the other features required by the exercise.
2. For a maximum B+ grade on #1, you need only represent your TMs in the file format indicated in the statement of the exercise. Again, this assumes that you meet all the other features required by the exercise.

(2) Programming Exercise for each of you individually: Implement in C++ a computer simulation of the PDA created in the proof of the fact and proof found on the bottom half of page 154 in your text. You can/must use one of the TMs in exercises 11.13 or 11.14 for your simulation.

Pledge: I pledge my honor as a person that, during this exam, I have neither given nor received help, nor have I seen or heard of any dishonest work.

Signed\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Check here \_\_\_ if you deliberately did not sign this pledge.