Daily Proof #3 – 1.34 Grading Criteria (out of 50 pts)

For all questions: Give partial credit in a category when you deem appropriate.

Group Grading: You will assign each person in a group the same grade unless an individual didn’t turn in their own paper.

Please do the following: Quickly scan the papers in each group to see that they are “similar”. Then, rotate through each assignment. Grade 1 response on each paper (most groups have 4 students and there are 4 questions.) You choose which question on which paper. If a group only has 2 or 3 students (or you only got 2 or 3 papers), rotate through and randomly choose a paper or two where you grade two questions.

After grading all four questions (one from each paper), then add up the score and give that to all the papers in the group.

1) 15 pts (3 pts per part)

   For each RE give partial as follows:
   1 pt – for including at least some strings in the language.
   1 pt – for excluding strings not in the language
   1 pt – including ALL the strings in the language

2) 10 pts

   This one’s annoying to grade, especially if they ripped the states in a different order than me, since the answer will be very different. So… you have to trace their order. Here is the grading by part:

   1 pt – initial picture with new start and finish state.
   3 pts – rip 1st state
   3 pts – rip 2nd state
   3 pts – last rip

   Give partial credit on the rips roughly linearly. Each rip results in several new transitions, so if they get all of these, give all 3 pts, if they get most of them give 2 pts, if they get some of them but less than half, give 1 pt.

3) 15 pts (5 pts per part)

   For each part do the following:
   1 pt – clearly choosing a specific string with length p or longer, in the language
   1 pt – considering all “splits” of the string
   1 pt – looking at a string of the form xy’z
   2 pts – proving that the string they’re looking at is NOT in the language

4) 10 pts (5 pts per part)

   Part a – give no credit if they say it’s not regular. 2 pts for saying regular, 3 pts for DFA
   Part b – use the criteria from question 3…