

Homework 3 Grading Rubric

MCS 401 Summer 2015

There were 111 points possible - 46 based on completeness, 60 based on correctness, and 5 based on me being able to navigate what you turned in - but making over 100 points was not allowed.

1 Check Marks (46 points possible)

Check marks mean that you attempted a part of a problem, not that you did it correctly. Sorry for any confusion this causes.

I considered attempting each separate part of a given problem as one point. The number of parts each problem had should be clear from context except for maybe problems 5, 6, and 14. Problem 5 had 2 parts, one for Bubble and one for Better Bubble. Problem 6 had 3 parts, the worst, best and average cases. And problem 14 had 4 parts because I counted Exercise 7.1-2 as having two parts, finding the value and modifying the algorithm.

2 Graded Problems (60 points possible)

I graded 6 of the problems based on correctness worth 10 points each.

Problem 1 (10 points)

- (0 points) missing
- (3 points) multiple important steps left out and/or incorrect statements made
- (5 points) important step left out
- (8 points) correct steps all there, but out of order
- (10 points) correct

Problem 3, 2.3-3 (10 points)

- (0 points) showed the wrong thing or missing
- (8 points) all the right steps but never showed where the power of 2 assumption was used
- (10 points) correct proof

Problem 7 (10 points)

- (0 points) missing or proofs were incorrect or at least didn't make sense to read
- (5 points) one of the equalities was proven correctly
- (10 points) both equalities were proven correctly in a way that made sense to read

Problem 8, 6.1-7 (10 points)

- (0 points) incorrect or confusing explanation
- (5 points) explains why these nodes are leaves, but does not explain why they are the only leaves
- (10 points) correct explanation

Problem 11, 6.2-1 (10 points)

- (0 points) incorrect diagram or missing
- (10 points) correct diagram

Problem 14, 7.1-3 (10 points)

- (0 points) incorrect explanation or missing
- (10 points) correct explanation

3 Presentation Bonus (+5 points possible)

I gave an extra 5 points to some people as a thank you for turning in something that was easy to grade. These assignments had somewhat ok handwriting or were typed, the problem numbers were not hidden underneath the staple, and, most importantly, the problems were in sequence. So thanks to those of you who did that!