University of Waterloo
CS240 Fall 2020
Assignment 5 Post Mortem

Problem 1 [3+4+4=11 marks]

- For part a), Some students didn't draw associate trees.
- For part b) and c), some students gave incorrect algorithm or insufficient explanations.

Problem 2 [2+5+3=10 marks]

- For part a), a few students mistakenly treat m as the normal pattern length.
- For part b) and c), some students gave incorrect best-case runtime and worst-case runtime analysis. I highly suggest that they try to analyze the problem by finding some examples.

Problem 3 [3+3=6 marks]

Generally well done.

Problem 4 [[3+3+3+3+3=15 marks]

- For part b), some students missed one row or had some extra rows. Some students used good suffix for the third row.
- For part c) and part d), some students didn't give a very general example.

Problem 5 [3+3+3=9 marks]

- For part a), a few students didn't follow the class convention to create the Huffman tree. Some students got a wrong WPL value.
- For part c), a few students used a concrete example for this.