University of Waterloo
CS240E, Winter 2023
Assignment 2 post-mortem

Question 1   [6 marks]

- A common error was to state $m = 4$ instead of $m = 5$

- Very few students converted to a correct base before radix sort

Question 2   [5+3=8 marks]

- This problem was done well. There were errors in syncing recursion with the list.

Question 3   [4+1+6+6(+5)=17(+5) marks]

- Parts a,b,c were done well. For part 3d, many solutions increased N too much (e.g. doubled it).

Question 4   [4+2+5+3+4=18 marks]

- For Q4a, many solutions did not treat logs explicitly

- Also for Q4a, the function *notHeightBalanced* should return true if the tree is *not* height balanced. Some people wrote the whole algorithm correctly but just got mixed up and returned true if it was balanced.

- For Q4e, many solutions did not state/find the height of a perfectly balanced tree correctly