

University of Waterloo
CS240 Fall 2020
Assignment 2 Post Mortem

Problem 1 [3+3=6 marks]

- For part b), some students traversed through the whole array instead of the left and right branches.

Problem 2 [6 marks]

- Some students got some indices off during the recursive call.
- Some students got the basic idea but not a complete algorithm.

Problem 3 [2+3+3=8 marks]

- For part a), a few students missed the base case.
- For part c), a few students provided an array of same elements.

Problem 4 [8 marks]

- Some students only processed one block of $O(\log n)$ each time.

Problem 5 [2+2+4=8 marks]

- For part c), a few students gave an incorrect running time like $O(\frac{1}{n})$ or a constant running time.

Problem 6 [3+2+3=8 marks]

- For part c), a few students gave an incorrect number of comparison as $n-1$.