

CPSC 215: Data Structures and Algorithms

Your Name

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Assignment 4 - Part 3 Solutions

Problem 1

Problem 2

`// Java code here`

Algorithm 1 Algorithm Name

1: Initialize variables
2: **for** each element **do**
3: Do something
4: **end for**

$$T(n) = 2T(n/2) + O(n) \tag{1}$$

$$= O(n \log n) \tag{2}$$