Algorithms Homework 2 Report

Name: Yahia Ali   Sec: 2   B.N:32

N: size of array, M: number of unique elements

Problem 1:

Time: O (n)

Heap space: O (2n)

Stack space: O (1)

Problem 2:

Time: O (n)

Heap space: O (n+4m)

Stack space: O (1)

Problem 4:

Time: O (2n)

Heap space: O (2n)

Stack space: O (1)