

Homework Assignment: 2

Name: Jonathan Gaines

Date: 3/29/2017

1. X Sorting Algorithm

(a)

EXAMPLE \Rightarrow *AXEMPLE* \Rightarrow *AEXMPLE* \Rightarrow *AEEMPLX* \Rightarrow *AEELPMX* \Rightarrow *AEELMP*

(b)

(c)

2. Bubble Sort

(a)

(b)

(c)

3. Show that $n^2 \in O(n^2 + 10n), n \geq 0$

4. Show that $n \notin \Omega(n^2)$