Sort Search Assignment

How long did it take – It took about 3 hours.

What was the hardest part – using trace on the pseudocode.

Was anything unclear? – Nothing was unclear in this assignment.

I believe the Algorithmic efficiency of this program is O(log n).

Main()

# Prompt for Json file, Read, then transfer into file.

PROMPT for json file

READ json file

contents <- file.load

# Set Variables

# Start the loop to sort the contents

A FOR i\_pivot <- content.length-1, i\_pivot > 0, i\_pivot-=1

i\_largest <- 0

B FOR i\_sort <- 0, i\_sort < i\_pivot, i\_sort++

IF i\_sort > i\_largest

C i\_largest <- i\_sort

IF i\_largest > i\_pivot

swap <- contents[i\_pivot]

contents[i\_pivot] <- contents[i\_largest]

D contents[i\_largest] <- swap

End

i\_sort i\_pivot i\_largest swap cont-sort cont-pivot cont-largest

A / 3 / / / 55 /

B 0 3 0 / 26 55 26

C 0 3 0 / 26 55 26

B 1 3 0 / 6 55 26

C 1 3 0 / 6 55 26

B 2 3 2 / 90 55 90

C 2 3 2 / 90 55 90

D 2 3 2 90 90 90 55

A 2 2 0 90 55 55 26

B 0 2 0 90 26 55 26

C 0 2 0 90 26 55 26

B 1 2 0 90 6 55 26

C 1 2 0 90 6 55 26

A 1 1 0 90 6 6 26

B 0 1 0 90 26 6 26

C 0 1 0 90 26 6 26

D 0 1 0 26 6 26 6