# COMPLEXITIES:

GREEDY ALORITHM:

HUFFMAN with binary min heap: O(n lg n).

HUFFMAN with van Emde Boas tree : O(n lg lg n).

GREEDY ACIVITY SELECTON:

DYNAMIC PROGRAMMING:

//added by Shravya.

ROD CUTTING: O(n^2)

LCS: O(m+n)

Levenshtein: O(m+n)

GRAPH:

//added by Mayukh

KRUSKAL: O(E lg V) when used path compression and union by rank.

Disjoint set operation for KRUSKAL takes O(E time. : initializing set A: O(1)

: sorting takes: O(E lg E)

: for loop that performs for FIND SET and UNION takes O(E)

: includes MAKE SET: O(V+E)