Algorithms and Data Structures

Module 3

Assignment 5

Calculating edit distance

Adigeev Mikhail Georgievich

mgadigeev@sfedu.ru

adimg@yandex.ru

Task

Develop a program that calculates (unweighted) edit distance between two given strings in Latin alphabet.

Input: two strings (in capital latin letters), separated with space.
Output: edit distance between the given strings (integer number).

The complete implementation of this assignment gives you 6 pts.

Task

Example 1:

input: COMPUTER PROGRAM

output: 8

Example 2:

input: UNION FUNCTION

output: 3

You can use online calculators to test your programs:

https://phiresky.github.io/levenshtein-demo/

http://www.let.rug.nl/~kleiweg/lev/