

Konstanz, 16.03.2020

Assignment 1

„Multimedia“

Deadline ~~18.05.2020~~ 25.05.2020, Discord.

Description of assignment

The goal of this assignment is to read a long text („*A MIDSUMMER NIGHT'S DREAM*“, Shakespeare) into Matlab, analyze the relative occurrence frequencies of the ACSII symbols, and compute the corresponding Huffman code and its average code word length. Encode the text using the corresponding Huffman-code.

For the solution realize the following four steps:

1. Read the data.
2. Analyze the text.
3. Compute the average code word length and the entropy.
4. Output of the codes.