**Lab 1: Text comparison I**

**Tasks to do:**

1. Open the files lab1\_ex1.py and lab1\_ex2.py and read the code.
2. Open the file lab1\_ex3.py and read the code.
3. Calculate the frequency vector for each text (the using texts **algebra.txt**, **liter.txt**, **calculus.txt**)

and build the frequency matrix for all texts.

1. Calculate distance matrix for all texts and analyze the texts.
2. Analyze the texts similarity using distance matrix.
3. For comparison add two existing texts (**algebra2.txt** and **liter2.txt**).

Read, write and preprocess the texts.

1. Calculate the frequency matrix for all texts using the dictionary built from “**dictionary.txt**”
2. Calculate the frequency matrix for all texts using the dictionary built from “**general\_ dict.txt**”
3. Calculate distance matrix for all texts and analyze the texts.