POVZETEK

Osnovne operacije, ki jih izvajamo nad besedilom, so iskanje besede, stavka v danem besedilu, primerjava dveh danih besedil, stiskanje besedila.

Cilj diplomske naloge je na enostaven, razumljiv način prikazati algoritme, s pomočjo katerih lahko izvajamo omenjene operacije. Diplomska naloga je razdeljena na tri glavna poglavja. V poglavju 1 so razloženi osnovni algoritmi, ki jih uporabljamo pri iskanju določenega podniza v danem besedilu. Poglavje 2 opisuje tehniko stiskanja teksta, ki jo imenujemo Huffmanovo kodiranje. V zadnjem poglavju, poglavju 3, je razložena metoda, ki jo uporabljamo pri preverjanju, ali sta dani besedili enaki.

ABSTRACT

Basic operations being done on a text are word and sentence search, text comparison and text compression.

The goal of this thesis is to present algorithms, which help us to execute operations mentioned above in a simple, understandable way. The thesis consists of three major chapters. In chapter 1 basic algorithms which are used for searching for substring in a given text are explained. Chapter 2 describes text compression technique, known as Huffman coding. The last chapter, chapter 3, describes a method used for text similarity testing.

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