서울대학교 컴퓨터공학부
Seoul National University
Dept. of Computer Science and Engineering
Computational Theory and Algorithm Engineering Lab.

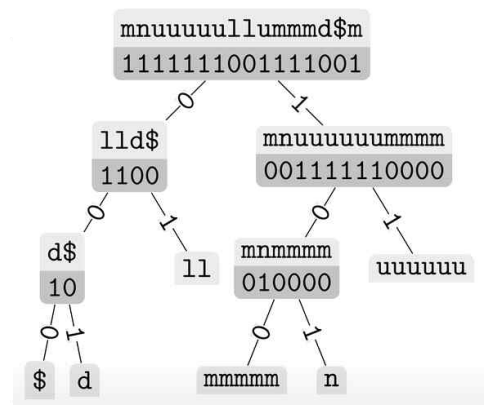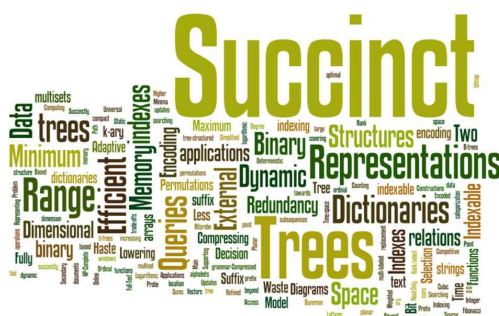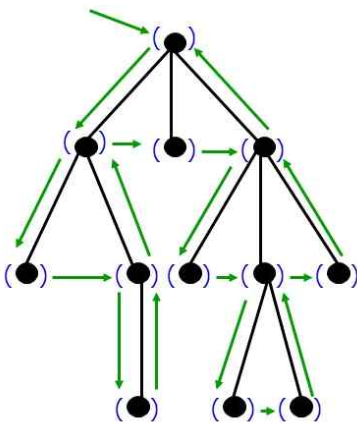# Undergraduate Research Opportunities Program Announcement

Basic Information

♣ Topic: Implementation of Succinct Indexes and Encodings

♣ Advisor: Srinivasa Rao Satti

♣ Laboratory: Computational Theory and Algorithm Engineering Lab.

Abstract

There has been a large number of results in the area of succinct encodings. The aim of this project is to implement some of these and evaluate their practical performance by comparing them with the traditional data structures for the same.

Also, there are several interesting combinatorial problems embedded in the design of succinct encodings. Solving these problems is another line of research one can pursue.

Prerequisites

♤ Understanding of Data Structures

♤ Basic Algorithm Analysis

♤ Programming Skills in at least one of the languages: C, C++ or Java

Contact

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