

Analysis

Information Retrieval Assignment 1

Submitted by:

Himanshu Aggarwal
MT17015

Following table shows the variation in performance of Skip pointers algorithm with different number of skips.

Query	Skips = 3	Skips = 5	Skips = 25
date ANDS near	0.03382	0.03866	0.0445
id ANDS date	0.0319	0.0325	0.0337
red ANDS blue	0.0050	0.0044	0.0032

First two queries shows increase in query execution time with increasing number of skips. Although it seems unlikely, but it makes sense with the fact that those queries have a lot of common documents and increasing the skips just added to the overhead time leading to more sequential work.

Last query, however, shows reduction in query execution time with increasing skips, since these words have very less common documents, and therefore increasing the skips justified the purpose.