

Project Plan (V2 - 19-09-2022): String indexing with compressed pattern problem

Week	Implementation	Thesis	Reading
1	LZ77, Suffix Array & Tree, Phrase Trie V1		Section 3
2	Phrase Trie V2 (Linear space)		Section 4
3	Preprocessing: RMQ, LCP		**
4	Fix preprocessing		Generalized Substring Compress. (GSC)
5		Preliminaries (ST, LZ77)	ST + LZ77 Material
6		Review section 3-4 + found details	
7		Review RMQ + found details	
8	Fall Break	Fall Break	Fall Break
9		Review GSC + found details	Section 5+6
10	Improve Phrase Trie (V3) [in practice]		
11		Review section 5	
12		Review section 6	
13	Testing, gather data, figures		
14		Results	
15		Conclusion, introduction, abstract, etc	
16		Proof reading, final touches	
17	?	?	?
18	?	?	?
19	?	?	?
20	?	?	?

* When referring to sections, it is a reference to sections in "String indexing with compressed patterns".

** Theoretical and Practical Improvements on the RMQ-Problem, with Applications to LCA and LCE

*** found details = details which were found when implementing

?: Will be used as buffers, probably being more implementation iterations / documenting implementations