Sequence Analysis SS 2013

Freie Universität Berlin, Institut für Informatik
Knut Reinert, David Weese, Peter Clote
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5. Exercise sheet, 16. May 2014
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Exercise 1.

Given text **T=tacaacaatacg**:

- Develop an algorithm to compute all lcp intervals given an lcp table.

- Apply this algorithm to compute all lcp intervals for the lcp table of **T**.

Exercise 2.

For text **T** in Exercise 1 compute:

- the child table (up, $down$, $nextl$Index) *by hand*.

- the compressed child table using the *constructChildTable* algorithm from the script.

Exercise 3.

Top down traversal:

- Use the enhanced suffix array constructed in Exercise 2 to find all occurrences of the pattern **caa**