Exercise 1.

BWT

• For the text tacaacaatacaagag construct the BWT and the arrays $C$ and $OCC$. Use them to search for the pattern aca.

Exercise 2.

lcp-intervals:

• For the text tacaacaatacg, construct the lcp-table and apply the bottom-up algorithm to compute all lcp intervals.

Exercise 3.

child table:

• For the same text as in Exercise 2, compute the child table ($up$, $down$, $nextlIndex$). Verify if your results agree with the intervals computed in Exercise 2.

Exercise 4.

Top down traversal:

• Use the enhanced suffix array constructed in Exercises 2 + 3 and apply algorithm answering_decision_queries from the script to search for the pattern caa