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, $down$, $nextl$Index). 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**