Exercise 1.
Given text \( T = \text{tacaacaatacg} \):

- 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 (\( up, down, next/\text{Index} \)) \textit{by hand}.
- the compressed child table using the \textit{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 \( \text{caa} \).