Sequence Analysis 3
Summer 2024

Exercises

Number 10, Discussion: 2024-July-04

1. Compute an optimal cyclic alignment (unit cost edit distance) between the two cyclic strings $x = \texttt{SCHLAFZIMMER}$ and $y = \texttt{IMMERSCHLIMMER}$.

2. Enumerate all eight longest binary strings that contain only one square.

3. Find a binary string at whose first and third position start two squares that do not again appear further to the right.

4. How many squares can start at a certain position in a string?

5. How many rightmost occurrences of squares can start at a certain position in a string?