

Sequence Analysis SS 2015

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6. Exercise sheet, 21. May 2015

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Exercise 1.

BWT - compressing L

- Let R be the *MTF* encoding of L and Y the corresponding list of characters. Give an algorithm in pseudocode to decode R into L

Exercise 2.

BWT - compressing pos

- Present an example that proves the following assumption stated in the script:
If we mark every η -th row in the matrix \mathcal{M} the worst case time of a *pos* query is $O(\frac{\eta-1}{\eta}n)$