

String matching

Exercises

*Computational Linguistics course,
Summer semester 2010*

1. Show how to compute Z_i stepwise for $i > 1$ (using the notion of Z-boxes) for the following strings:
 - **AABCAABXAAZ**
 - **ABCDXABCYABDXY**
2. Apply the Boyer-Moore algorithm to find occurrences of **ABXYABXZ** in the following text:
XABXYABXYABXZABXZABXYABXZA
3. (Optional) Provide an implementation of the Boyer-Moore algorithm in your favourite programming language