Exercises for Lecture 12

April 10, 2024

Exercise 1 (Cormen 32.4-1). Compute the prefix function π of KMP for the pattern $P = $ ababbabbabbababbabb.

Exercise 2 (Cormen 32.4-2). Give an upper bound on the size of $\pi^*[q]$ as a function of q. Give an example to show that your bound is tight.

Exercise 3. Compute arrays L and ℓ of Boyer-Moore for the pattern $P = $ bababaababa.