Suffix Array, Burrows-Wheeler Exercise

CMSC423 Fall 2015

November 24, 2015

Name(s):
UID(s):

Question 1. (k-mer counting) Design an algorithm using a suffix array to output, for a given string S and integer k, **all** pairs (b, i) where b is k-mer occurring in S exactly i times.

Question 2. Compute the Burrows-Wheeler transform of string `abbaaba$`.

Question 3. Write down the occurrence count matrix (LF mapping matrix) for the BWT you computed in Question 3.