Suffix Trie/Tree/Array Exercise

CMSC423 Fall 2015

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Name(s):
UID(s):

Question 1. Construct the **suffix trie** for string `abbaaba$`.

Question 2. Indicate the path taken to search for a match of pattern `baab`.

Question 3. (k-mer counting) Design an algorithm using a suffix trie 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 4. Construct the **suffix tree** for the same string and indicate path to search for `baab`.

Question 5. Construct the **suffix array** for the same string.

Question 6. Same as Question 3, but use a suffix array.