

Suffix Trie/Tree/Array Exercise

CMSC423 Fall 2014

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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. Design an algorithm using a suffix trie to find, for a given k , all k -mers occurring in some string S , along with the number of times each k -mer occurs in S .

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.