

Bioinformatics Lab Assignment 2

Q.1. Design a string-search algorithm to find if two substrings overlap in the larger string. What is the complexity of your algorithm?

Example (1):

String A : aaccggacgaaa

Search StringB: ggac

Search StringC: cga

Output: Yes SearchString B and Search StringC overlap in StringA.

Example (2):

StringA : aaccggacgaaa

SearchStringB: ggac

SearchStringC: cc

Output: No Search String B and Search String C do not overlap in String A.

Note that there can be multiple copies of each substring in the larger string.

This assignment will be evaluated in the next week labs on 6th and 7th Feb 2020.